

PERMIT NO. HW-50216
EPA I.D. NO. TXD 083570051
NAME: FMC - Peroxygen Chemicals Division

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[IV.A.3.]

- d. Upon direction of the Executive Director for failure to secure and maintain an adequate bond or other financial assurance as required in Provision IV.A.1.; or
 - e. When necessary to comply with Provision VII.C.
4. The permittee shall submit a written request for a permit amendment to authorize a change in operating plans, unit design, or the approved closure plan in accordance with the time frames of Provisions IV.A.5.a.-d. The written request shall include a copy of the amended closure plan for approval by the Executive Director. The permittee shall submit a written request for a permit amendment to authorize a change in the approved closure plan whenever any of the following conditions exist:
- a. Changes in operating plans or facility design affect the approved closure plan;
 - b. There is a change in the expected year of final closure, if applicable;
 - c. In conducting partial or final closure activities, unexpected events require amendment of the approved closure plan;
 - d. Requested by the Executive Director under the conditions described in Provisions IV.A.4.a.-c.
5. The permittee shall submit a written request for a permit amendment according to the following schedule:
- a. At least 60 days prior to the proposed change in unit design or operation which will affect the approved closure plan;
 - b. No later than 60 days after an unexpected event has occurred which has affected the closure plan;
 - c. No later than 30 days after an unexpected event has occurred, if the unexpected event occurs during the partial or final closure period; or
 - d. Within 60 days of the Executive Director's request pursuant to Provision IV.A.4.d., or within 30 days if the change in facility conditions occurs during partial or final closure.
6. The permittee shall notify the Executive Director in writing at least 45 days prior to the date on which he expects to begin final closure of the facility. A copy of the notice shall be submitted to the Texas Water Commission (TWC) Southeast Region Office.

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[IV.A.]

7. Within 60 days of the completion of final closure, the permittee shall submit to the Executive Director by registered mail, with a copy to the TWC Southeast Region Office, a certification that the hazardous waste management unit or facility, as applicable, has been closed in accordance with the specifications in the approved closure plan and the terms of this permit. The certification shall be signed by the permittee and by an independent registered professional engineer. Additional documentation supporting the independent registered professional engineer's certification shall be furnished to the Executive Director upon request until he releases the permittee from the financial assurance requirements for closure under 40 CFR 264.143(i).

B. Hazardous Waste Management Unit Area Closure Requirements:

1. All tanks, pumps, piping, and any other equipment or structures which have come in contact with waste shall either be decontaminated by removing all waste or disposed of at an authorized facility.
2. All wash water generated during decontamination activities shall be collected and disposed of in accordance with Provision III.B.4.
3. All hard-surfaced areas within the hazardous waste management unit areas shall be decontaminated and the wash water generated shall be collected and disposed of in accordance with Provision III.B.4.
4. Verification of decontamination shall be performed by analyzing wash water for the waste constituents which have been in contact with the particular item being decontaminated.

*V. STANDARD PERMIT CONDITIONS

The permittee has a duty to comply with the Standard Permit Conditions under Title 31 Texas Administrative Code (TAC) §305.125. Moreover, the permittee has a duty to comply with the following permit conditions:

- A. In order to continue a permitted activity after the expiration date of the permit the permittee shall submit a new permit application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Executive Director. Authorization to continue such activity will terminate upon the effective denial of said application.
- B. The permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency order issued by the Commission.

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[V.]

C. For a new unit, the permittee shall not commence storage, processing or disposal of solid waste; and for a unit being modified, the permittee shall not process, store or dispose of solid waste in the modified portion of the unit, until the following requirements have been satisfied:

1. The permittee has notified the local TWC District Office and submitted to the Executive Director by certified mail or hand delivery a letter signed by the permittee and a Texas registered professional engineer certifying that the facility has been constructed or modified in compliance with the permit. Required certification shall be in the following form:

This is to certify that the construction of the following facility components authorized or required by TWC Permit No. HW-50216 has been completed, and that construction of said facility component has been performed in accordance with and in compliance with the design and construction specifications of Permit No. HW-50216. (Description of facility units and components with reference to applicable permit provisions), and

2. The Executive Director has inspected the modified or newly constructed unit and finds it is in compliance with the conditions of the permit; or within 15 days of submitting the letter required by Provision V.C.1., the permittee has not received notice from the Executive Director of an intent to inspect, prior inspection is waived and the permittee may commence processing, storage or disposal of solid waste.

D. The following details shall be included as information which must be reported orally within 24 hours pursuant to Title 31 TAC §305.125(9):

1. Information concerning release of any solid waste that may cause an endangerment to public drinking water supplies.
2. Any information of a release or discharge of solid waste, or of a fire or explosion from a facility unit, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include
 - a. name, address, and telephone number of the owner or operator;
 - b. name, address, and telephone number of the facility;
 - c. date, time, and type of incident;
 - d. name and quantity of material(s) involved;
 - e. the extent of injuries, if any;

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[V.D.2.]

- f. an assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - g. estimated quantity and disposition of recovered material that resulted from the incident.
- E. The Executive Director may waive the five-day written notice requirement as specified in Title 31 TAC §305.125(9) in favor of a written report submitted to the Commission within 15 days of the time the permittee becomes aware of the noncompliance or condition.
- F. An annual report must be submitted covering facility activities during the previous calendar year.
- G. Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in Section 1.03 of the Texas Clean Air Act or violate Section 4.01 of the Texas Clean Air Act, Article 4477-5, V.A.T.S. If the Executive Director of the Texas Air Control Board determines that such a condition or violation occurs, the permittee shall implement additional abatement measures as necessary to control or prevent the condition or violation.
- H. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- I.
 - 1. The permittee shall notify the Commission in writing within 10 days of the discovery of any release of hazardous waste or hazardous constituents that may have occurred from any solid waste management unit at the facility regardless of when the release occurred or may have occurred, and regardless of when waste was placed in any unit. Release of hazardous waste or hazardous waste constituents from any solid waste management unit regardless of when waste was placed in that unit or when the release occurred, will constitute grounds for (1) a major permit amendment pursuant to §4(e)(8), Solid Waste Disposal Act, Art. 4477-7 V.T.C.S., as necessary to incorporate into the permit appropriate corrective action; (2) the adoption by the Commission of a ground-water compliance plan; or (3) other action deemed necessary by the Commission. Pursuant to such permit amendment, ground-water compliance plan, or other order or action, the permittee shall then take timely corrective action for such releases.

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[V.I.]

2. Within forty-five (45) days of becoming aware of a solid waste management unit (SWMU) not previously addressed in the RCRA Facility Assessment, submit a preliminary assessment. The Preliminary Assessment shall include information regarding the SWMU to determine if there has been or is currently a release of hazardous waste or hazardous constituents from the unit. Based upon this information, the Executive Director may modify this permit as necessary.

J. Waste Minimization

The permittee shall certify annually by October 1 for the previous year ending August 31, that the permittee

1. has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the permittee's facility operation to the degree determined to be economically practicable; and
 2. that the proposed method of treatment, storage, or disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment. The waste minimization certification is to be included in the operating records.
- K. The permittee shall comply with 40 CFR 266.23(b).
- L. The permittee is required to meet all performance standards in this permit, regardless of whether the permit also contains a specific design or other requirement relating to the performance standard.
- M. The permittee shall comply with the land disposal restrictions as found in 40 CFR 268 (Fed. Reg. November 7, 1986; June 4, 1987; July 8, 1987; August 17, 1988 and any subsequent applicable promulgations). Requirements include modifying the permittee's waste analysis plan, as necessary, to include analyses to determine compliance with applicable treatment standards or prohibition levels, pursuant to 40 CFR 268.7(c) and 264.13(a).

VI. INCORPORATED REGULATORY REQUIREMENTS

- A. The following Texas Water Commission regulations are hereby made provisions and conditions of this permit. Issuance of this permit with incorporated rules in no way exempts the permittee from compliance with any other applicable state statute and/or Commission Rule.

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[VI.A.]

1. 31 Texas Administrative Code (TAC) Chapter 335 Subchapter A;
 2. 31 TAC Chapter 335 Subchapter B;
 3. 31 TAC Section 335.152;
 4. 31 TAC Sections 335.153-335.155; and
 5. 31 TAC Sections 335.177-335.179.
- B. To the extent applicable to the activities authorized by this permit, the following provisions of 40 Code of Federal Regulations Part 264, adopted by reference by 31 TAC Section 335.152, are hereby made provisions and conditions of this permit:
1. Subpart B -- General Facility Standards;
 2. Subpart C -- Preparedness and Prevention;
 3. Subpart D -- Contingency Plan and Emergency Procedures;
 4. Subpart E -- Manifest System, Recordkeeping, and Reporting;
 5. Subpart G -- Closure and Post-closure;
 6. Subpart H -- Financial Requirements;
 7. Subpart J -- Tank Systems; and
 8. Subpart O -- Incinerators.

VII. INCORPORATED APPLICATION MATERIALS

The permittee shall maintain the following documents at the facility and make them available for inspection by regulatory personnel.

A. Contingency Plan

The permittee shall follow the contingency plan, developed in accordance with 40 CFR Part 264, Subpart D, dated January 6, 1989 which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The contingency plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

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[VII.]

B. Inspection Schedule

The permittee shall follow the inspection schedule, developed in accordance with 40 CFR 264.15, dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The inspection schedule is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the schedule shall become provisions and conditions of this permit upon the date of approval by the Commission.

C. Closure Plan

Facility closure shall be completed in accordance with the requirements of 31 TAC Section 335.152 and 40 CFR Part 264 Subpart G and the closure plan dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The closure plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of the permit upon the date of approval by the Commission.

D. Waste Analysis Plan

The permittee shall follow the waste analysis plan developed in accordance with 40 CFR Part 264.13, dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The waste analysis plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

* VIII. RCRA Facility Investigation

The permittee shall conduct a RCRA facility investigation in order to determine whether hazardous constituents listed in 40 CFR Part 261, Appendix VIII have been released into the environment from the following waste management units:

| <u>RFI Unit No.</u> | <u>Description</u> |
|---------------------|--|
| 1 | Contaminated Sewer Lift Station |
| 2 | Process Sewer Lift Station |
| 3 | Used Work Solution Tank |
| 4 | Used Work Solution Tanks 716 A & B |
| 5 | Check Tank T 4889 C |
| 6 | H ₂ O ₂ Sewer Pits |
| 7 | Oily Sewer Pits |
| 8 | Wastewater Surge Tank |

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[VIII.]

- A. As a part of the facility investigation, the permittee shall submit three copies of a workplan to the Executive Director of the TWC, and one copy to the Executive Director, Hazardous Waste Management Division, EPA Region VI, for approval and/or modification within 150 days from the issuance date of this permit by the TWC, which will include but is not limited to the following items:
1. A plan view drawing of the facility at a scale of 1 inch equal to not more than 300 feet which clearly shows the following information:
 - a. the locations, areal extent and estimated depths of soils contamination associated with RFI units 1 & 2.
 - b. the locations of RFI units 3 - 8.
 - c. all structures adjacent or nearby RFI units 1 - 8 such as concrete pads, gullies and roadways; and
 - d. the drawing date, its orientation and scale.
 2. Procedures for investigating RFI units 1 & 2 which, at a minimum, include the following elements:
 - a. methods of locating aerial extent of soil contamination; and
 - b. a hydrogeological evaluation of both unit areas which reflects the following scope:
 - (1) Performance of a hydrogeologic assessment of the area to characterize the uppermost aquifer beneath the unit. A soil boring program must be developed by the applicant to determine the strata encountered, saturated intervals and direction of ground-water flow. The workplan must specify the spacing, depth and locations of boreholes. Samples from borings must be taken continuously from the surface to a depth of 20 feet and then at 5-foot intervals thereafter until ground water is reached. Samples shall be described as to color, soil type according to the Unified Soil Classification System, other visual characteristics such as structure, texture, mineral composition, moisture, etc., and any visual or olfactory evidence of contamination. Sample description shall be performed by a qualified geologist or geotechnical engineer. Samples submitted for chemical analysis must be collected every 5 feet from the surface to the bottom of the borings and be analyzed in accordance with the United States Environmental Protection Agency publication SW-846, Test Methods for Evaluating Solid

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[VIII.A.2.b.(1)]

Waste, Third Edition, November 1986 or an updated edition (USEPA SW-846) for all Appendix VIII constituents, unless a shorter list can be justified. If a shorter list is proposed, the justification for same must be presented in the workplan.

- (2) Plans for installation of a ground-water monitoring system, based upon the results of the soil boring program, consisting of a minimum of one background well located hydraulically upgradient of the unit, removed a sufficient distance so as not to be affected by the unit, and at least three wells located on the down-gradient perimeter of the unit. Exploratory boreholes which are developed may be converted to monitor wells if they are appropriately drilled and located. The plan should include procedures for determining the ground-water gradient. More than three downgradient perimeter wells may be required to effectively sample the uppermost aquifer for hazardous constituents and additional background wells are recommended in order to provide an adequate sample population for determining if background values have been exceeded. Procedures for installation of monitor wells which include detailed completion methods shall be submitted in the workplan. The upper 20 feet of the upper flow zone of the uppermost aquifer must be sampled by wells. No monitor well screen length shall exceed 20 feet. Well construction and sampling materials shall be selected to avoid sample analysis interference. Monitor wells shall be logged during installation according to approved procedures which are outlined in the workplan. If existing wells are utilized as part of the ground-water monitoring system, the permittee shall provide sufficient boring data or conduct additional soil borings to provide the information which will characterize the well(s);
- (3) Well development methods. Methods of well development shall be described to ensure that any fluids introduced by drilling are removed and samples are not influenced by drilling activities;
- (4) Exact procedures for sampling and analysis of soil and water samples. The workplan shall include provisions for sample collection, sample preservation and shipment, analytical procedures, and chain of custody control. Statistical methods must be submitted that will be used to determine if a statistically significant increase over background has occurred for soil and water samples.

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[VIII.A.2.b.(4)]

The plan shall include a schedule for collecting samples from monitor wells during 3 sampling events spaced at 2 month intervals and analyzed in accordance with USEPA SW-846 Third Edition, November 1986 or an updated edition for all Appendix VIII constituents, unless a shorter list can be justified. If a shorter list is proposed, justification for same must be presented in the workplan;

- (5) A preliminary soils and ground-water report to be submitted as part of the workplan. This preliminary report shall contain, at a minimum, the following information regarding the ground-water investigation:
 - (a) a site map which depicts the locations of all existing and proposed borings and monitor wells and lines of proposed geologic cross-sections;
 - (b) plans and schedule for submitting the hydrogeologic information; and
 - (c) well construction diagram.
 - (6) Three copies of Final Soils and Ground-water Report shall be submitted with the Facility Investigation report required by Provision VIII.D. which contains at a minimum the following information:
 - (a) contours of the ground-water surface based on measurements in piezometers and monitor wells, and apparent direction of ground-water flow;
 - (b) geologic cross-sections depicting the near-surface stratigraphy;
 - (c) logs of all soil borings and monitor wells; and
 - (d) results of analyses for soil and ground water.
3. Procedures for investigating RFI units 3-8 which at a minimum include the following elements:

Performance of a separate waste characterization, which includes an analysis for all Appendix VIII constituents, for waste materials and sludges contained in storage vessels and ancillary equipment associated with RFI units 3-8.

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[VIII.A.]

4. The permittee may elect to certify that no wastes with Appendix VIII constituents have been managed in an RFI unit or units in lieu of performing the investigation procedures noted in Provisions VIII.A.2. and VIII.A.3. provided that confirming data are submitted.
 5. A time schedule including significant accomplishments for conducting the RCRA facility investigation activities not to exceed twelve months in duration.
 6. A sample plan including, at a minimum, sample locations, sampling methods, sampling equipment, sample handling procedures, analytical procedures, detection limits for each procedure, and sample quality assurance and quality control.
 7. A safety plan describing the known hazards and risks identifying levels of protective clothing to be worn, describing decontamination procedures and identifying any special requirement or training needs.
- B. The permittee shall immediately implement the approved work plan upon receipt of written approval.
- C. The permittee shall notify the TWC Southeast Region Office in Deer Park, Texas, and the U.S.E.P.A. Region VI Permits Branch at least 10 days prior to any sampling activity in order to afford District personnel the opportunity to observe sampling procedures and split samples.
- D. The permittee shall submit three copies of an RCRA Facility Investigation report to the Executive Director, and one copy to the Director, Hazardous Waste Management Division, EPA Region VI, within 60 days after the completion of the Facility Investigation. This report shall contain the results of all inspections, observations, evaluations and sampling events conducted as a part of the Facility Investigation along with all maps, drawings and cross-sections.
- E. If it is determined by the Commission that there has been a release to the environment of hazardous constituents listed in 40 CFR Part 261, Appendix VIII, the permittee shall apply to the Executive Director of the TWC for an amendment to this permit in order to initiate a further investigation and/or corrective action.

Attachments

- A -- Legal Description
B -- Site Plan
C -- Maximum Allowable Emission Rates
D -- Waste Feed Cut-off Systems

ATTACHMENT

Permit No. W-50216
Attachment A
Sheet 1 of 12

JUL-17-67 183662 - C 535552 0 13

WD
DD
C535552

STATE OF TEXAS
COUNTY OF HARRIS

KNOW ALL MEN BY THESE PRESENTS:

THAT, FRIENDSWOOD DEVELOPMENT COMPANY, a corporation hereinafter called "Grantor", for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations in cash to it paid by FMC CORPORATION, a corporation, the receipt of which is hereby acknowledged, has granted, sold and conveyed and does hereby grant, sell and convey, subject to the reservations and exceptions hereinafter made and the terms and provisions hereof, unto the said FMC CORPORATION, hereinafter called "Grantee", the following described land and premises:

BEING TWO HUNDRED FORTY THREE AND FOUR THOUSAND SEVEN HUNDRED EIGHTY THREE TEN-THOUSANDTHS (243.4783) ACRES CONSISTING OF TWO PARCELS, PARCEL 1 BEING ONE HUNDRED FIFTY ONE AND ONE THOUSAND FIVE HUNDRED FORTY TEN-THOUSANDTHS (151.1540) ACRES OUT OF THE DAVID HARRIS LEAGUE, A-25, AND THE GEORGE B. MCKINSTRY LEAGUE, A-47, AND PARCEL 2 BEING NINETY TWO AND THREE THOUSAND TWO HUNDRED FORTY THREE TEN-THOUSANDTHS (92.3243) ACRES OUT OF THE GEORGE B. MCKINSTRY LEAGUE, A-47, HARRIS COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Parcel 1

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an

BEGINNING at a Rod marked 2201 for the southwest corner of the herein described parcel in the said David Harris League, A-25, said rod being N 87° 14' 08" E, 75.00 feet and N 87° 11' 14" E, 75.00 feet from a Rod marked 2168 at the southeast corner of a 122.746-acre tract described in deed from Friendswood Development Company to Atlantic Richfield Company, dated March 31, 1967, and recorded in Volume 6713, Page 288, Deed Records of Harris County, Texas, said Rod 2201 also being at the intersection of the east line of 150-foot wide Bay Area Boulevard with the north line of proposed Choate Road;

*Twenty acres of Parcel 1 land was sold to Evalca Co. of America. See attached December 9, 1985 G.O. Edwards to K. Woerz correspondence.

THENCE N 2° 47' 35" W, with the east line of said Bay Area Boulevard, 82.96 feet to Rod 2202 at the P.C. of a curve to the left;

THENCE with said curve having a radius of 3063.64 feet and a central angle of 9° 34' 04", a distance of 511.60 feet to Rod 2203 at the P.T. of said curve in the east line of said Bay Area Boulevard;

THENCE N 12° 21' 39" W, with the east line of said Bay Area Boulevard 2093.89 feet to Rod 2204 in the southerly line of an 80-foot wide pipeline right-of-way in the said George B. McKinstry League;

THENCE N 62° 27' 25" E, with the southerly line of said pipeline right-of-way 2264.76 feet to Rod 2205 at the northeast corner of the herein described parcel in the westerly line of a drainage easement, said Rod 2205 being S 62° 38' 42" W, 503.88 feet and N 10° 08' 19" W, 15.95 feet from Monument 184, being 4" round concrete with bronze cap, marking the southeast corner of the said George B. McKinstry League, and the northeast corner of the said David Harris League in the west line of the William P. Harris League, A-30;

THENCE S 10° 08' 19" E, with the westerly line of the said drainage easement 3382.14 feet to Rod 2206 in the said David Harris League;

THENCE S 87° 11' 14" W, 435.60 feet to Rod 2207;

THENCE S 10° 08' 19" E, 252.06 feet to Rod 2208 in the north line of said proposed Choate Road;

THENCE S 87° 11' 14" W, with the north line of said Choate Road, 1695.13 feet to the place of beginning and containing 151.1540 acres, more or less in Parcel 1;

Parcel 2

BEGINNING at a Rod marked 2209 at the intersection of the east line of 150-foot wide Bay Area Boulevard with the north line of an 80-foot wide pipeline right-of-way, said Rod being N 12° 21' 39" W, 82.89 feet from Rod 2204 at the northwest corner of Parcel 1 previously described;

THENCE N 12° 21' 39" W, with the east line of said Bay Area Boulevard 1839.18 feet to Rod 2210 for the northwest corner of the herein described parcel 2;

THENCE N 62° 27' 25" E, 2052.00 feet to Rod 2211 at the northeast corner of the herein described Parcel 2, said rod being a distance of 55 feet measured at right angles southwesterly from the center line of a 6-inch Gulf Refining Company Pipeline;

THENCE S 33° 34' 27" E, parallel to the center line of said Gulf Pipeline, a distance of 271.08 feet to Rod 2212;

THENCE S 32° 48' 46" E, parallel to the center line of said Gulf Pipeline, a distance of 629.58 feet to Rod 2213 in the westerly line of a drainage easement;

THENCE S 4° 07' 04" E, with the westerly line of said drainage easement, a distance of 695.60 feet to Rod 2214 at an angle point in the westerly line of said drainage easement;

THENCE S 10° 08' 19" E, with the westerly line of said drainage easement, a distance of 251.75 feet to Rod 2215 at the intersection of the westerly line of said drainage easement with the northerly line of said 80-foot pipeline right-of-way;

THENCE S 62° 27' 25" W, with the northerly line of said pipeline right-of-way, 2268.13 feet to the place of beginning and containing 92.3243 acres, more or less, in parcel 2, and a total of 243.4783 acres herein conveyed.

Bearings recited herein are based on the Lambert Grid, Texas South Central Zone. Rods are 5/8-inch in diameter by 36 inches long with 1-1/2-inch bronze caps stamped as indicated.

It is the intention of Grantor to convey and there is conveyed hereby only the land within the above and foregoing specific boundaries and description, and this conveyance does not extend to and no conveyance is made hereby of any land in and under or affected by any easement or easements outside of but bordering on and lying along and being adjacent to the boundaries of said land as described above, the land in and under and affected by any such easements which are outside of the boundaries of said land being hereby excepted herefrom and reserved by Grantor for itself and its successors and assigns.

Grantor excepts herefrom for itself and its successors and assigns an easement for electric power utility purposes five (5) feet in width along the west lines of Parcels 1 and 2 described above, the easterly line of such easement being five (5) feet from and parallel to the west lines of said parcels and the right of ingress and egress for all purposes necessary thereto.

This conveyance is made and accepted subject to:

1. The exception and reservation of all oil, gas and other minerals in and under the land conveyed

hereby, as excepted and reserved by Humble Oil & Refining Company in a conveyance to Grantor dated June 12, 1967, recorded in Volume 6800, Page 203, of the Deed Records of Harris County, Texas, as amended by deed dated July 6, 1967, recorded in Volume ~~6832~~, Page ~~182~~, of the Deed Records of said county;

2. Environmental Standards for the industrial area known as "Bayport", Harris County, Texas, recorded in Volume 5550, Page 215, of the Deed Records of Harris County, Texas, as amended by amendment instrument recorded in Volume 5920, Page 165 of the Deed Records of Harris County, Texas; and
3. The terms and provisions of Paragraphs (1), (2), and (3) on Pages 9, 10 and 11 of that certain agreement between Friendswood Development Company and FMC Corporation contained in a letter dated May 16, 1967, to which reference is here made and which paragraphs are incorporated herein for all purposes, and the covenants and obligations contained in such paragraphs and the repurchase option contained in such paragraphs shall enure to the benefit of and be binding upon the respective successors and assigns of Friendswood and Grantee.

Grantee agrees for itself and its successors and assigns not to drill or operate or cause the drilling or operating of any water well on the land conveyed hereby; provided, however, that Grantee shall have the right to drill and operate water wells on said land if water is not otherwise available at or near said land and at rates which are competitive with rates being paid by users of the same class similarly situated in the southeast portion of

Harris County, Texas. The location, method of completion and rate of production of said wells, if drilled or operated by Grantee, shall be subject to approval by Grantor and Grantor's approval shall not be unreasonably withheld; and Grantee shall operate and produce such wells only so long as adequate water is not available to Grantee from such other sources at competitive rates as stipulated above.

Ad valorem taxes assessed against the land conveyed hereby for the year 1967 have been prorated as of the date hereof.

TO HAVE AND TO HOLD said land and premises unto Grantee, its successors and assigns, forever, subject, however, to the reservations and exceptions contained herein and the terms and provisions hereinabove set out; and subject thereto, Grantor agrees and does hereby bind and obligate itself to warrant and forever defend the title to said land unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

EXECUTED this 17th day of July, 1967.

FRIENDSWOOD DEVELOPMENT COMPANY

By John B. Suran
President



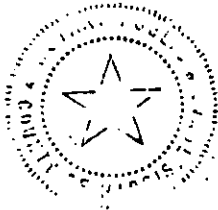
W. B. Suran
Secretary



STATE OF TEXAS
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this day personally appeared John B. Turner, Jr., known to me to be the person whose name is subscribed to the foregoing instrument as President of FRIENDSWOOD DEVELOPMENT COMPANY, and acknowledged to me that he executed the same for the purposes and consideration therein expressed and as the act and deed of said FRIENDSWOOD DEVELOPMENT COMPANY.

Given under my hand and seal of office this the 17th day of July, 1967.



Elva A. Wells
Notary Public in and for
Harris County, Texas

ELVA A. WELLS
Notary Public in and for Harris County, Texas
My Commission Expires 6-1-69

15837-485

076-39-1358

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STATE OF TEXAS
COUNTY OF HARRIS

KNOW ALL MEN BY THESE PRESENTS:

THAT, FRIENDSWOOD DEVELOPMENT COMPANY, a corporation hereinafter called "Grantor", for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations in cash to it paid by FMC CORPORATION, a corporation, the receipt of which is hereby acknowledged, has granted, sold and conveyed and does hereby grant, sell and convey, subject to the reservations and exceptions hereinafter made and the terms and provisions hereof, unto the said FMC CORPORATION, hereinafter called "Grantee", the following described land and premises:

TWO HUNDRED THREE AND SEVEN HUNDRED THIRTEEN THOUSANDTHS (203.713) ACRES OF LAND OUT OF THE GEORGE B. MCKINSTRY LEAGUE, A-47, HARRIS COUNTY, TEXAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at Rod 2210 marking the northwest corner of a 92.3243-acre tract described as Parcel 2 in deed from Friendswood Development Company to FMC Corporation dated July 17, 1967, and recorded in Volume 6839, Page 480, Deed Records of Harris County, Texas, said Rod 2210 being in the east right-of-way line of 150-foot wide Bay Area Boulevard;

THENCE N 12° 21' 39" W with the said east right-of-way line of Bay Area Boulevard, 642.93 feet to Rod 2387 at the P.C. of a curve to the right;

THENCE in a northerly direction with said east line of Bay Area Boulevard, along said curve, having a radius of 2216.83 feet, and a central angle of 11° 20' 54", an arc distance of 439.08 feet to Rod 2386 at the P.T. of said curve;

THENCE N 1° 00' 45" W with the said east line of Bay Area Boulevard, 3416.02 feet to Rod 2385 in the north line of the said McKinstry League, said Rod being in the south line of a 50-foot wide railroad right-of-way;

THENCE N 87° 26' 12" E with the south line of said railroad right-of-way, same being the north line of said McKinstry League, 2058.24 feet to Rod 2382 in the west line of a drainage

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easement, said Rod being 835.00 feet from Monument 213 marking the northeast corner of the said George McKinstry League;

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THENCE S 3° 01' 51" E, with the west line of said drainage easement 1971.15 feet to Rod 2383 at an angle point in said west line of said easement;

THENCE S 10° 08' 23" E with the west line of said drainage easement 2139.18 feet to Rod 2384 at an angle point in said west line of said easement;

THENCE S 4° 15' 23" E with the west line of said drainage easement 303.72 feet to Rod 2213 marking the most easterly northeast corner of said FMC 92.3243-acre tract;

THENCE N 32° 48' 46" W with the northeast line of the said FMC Tract, 629.58 feet to Rod 2212 at an angle point in said northeast line;

THENCE N 33° 34' 27" W with the northeast line of the said FMC Tract, 271.08 feet to Rod 2211 marking the most northerly northeast corner of the said FMC Tract;

THENCE S 62° 27' 25" W with the northwest line of the said FMC Tract 2052.00 feet to the place of beginning and containing 203.713 acres, more or less.

BEARINGS recited herein are based on the Lambert Grid, Texas South Central Zone; RODS are 5/8-inch diameter copper-coated, with 1-1/2-inch diameter bronze caps, stamped as indicated; CONCRETE monument is 4-inch diameter with 3-inch bronze cap stamped as indicated.

It is the intention of Grantor to convey and there is conveyed hereby only the land within the above and foregoing specific boundaries and description, and this conveyance does not extend to, and no conveyance is made hereby of, any land in and under or affected by any easement or easements outside of but bordering on and lying along and being adjacent to the boundaries of said land as described above, the land in and under and affected by any such easements which are outside of the boundaries of said land being hereby excepted herefrom and reserved by Grantor for itself and its successors and assigns.

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This conveyance is made and accepted subject to:

(1) Easement dated August 17, 1967 from Humble Oil & Refining Company and Friendswood Development Company to Houston Lighting & Power Company recorded in Volume 6948, Page 437 of the Deed Records of Harris County, Texas, insofar as said easement affects the land conveyed hereby;

(2) The ownership of all oil, gas and other minerals in and under the land as excepted and reserved by Humble Oil & Refining Company in conveyance to Grantor dated October 25, 1967 recorded in Volume 6973, Page 503 of the Deed Records of Harris County, Texas, and as conveyed to Humble Oil & Refining Company by Grantor in conveyance dated September 21, 1967 recorded in Volume 6926, Page 352 of the Deed Records of said county and the royalty interest in oil, gas and other minerals as excepted and reserved by Sarah E. Sharp in conveyance to Grantor dated August 22, 1967 recorded in Volume 6890, Page 115 of the Deed Records of said county;

(3) Environmental Standards for the industrial area known as "BAYPORT", Harris County, Texas, recorded in Volume 5550, Page 215 of the Deed Records of said county, as amended by amendment instrument recorded in Volume 5920, Page 165 of the Deed Records of said county;

(4) The following easements and rights-of-way:

(a) From Humble Oil & Refining Company to Shell Pipe Line Company dated October 28, 1942 recorded in Volume 1272, Page 190 of the Deed Records of Harris County, Texas;

(b) From Humble Oil & Refining Company to Defense Plant Corporation dated May 26, 1943 recorded in Volume 1273, Page 367 of the Deed Records of Harris County, Texas;

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- (c) From Humble Oil & Refining Company to Gulf Refining Company dated August 30, 1951 recorded in Volume 2341, Page 306 of the Deed Records of Harris County, Texas;
- (d) From Humble Oil & Refining Company to Tennessee Gas Transmission Company dated July 27, 1955 recorded in Volume 3007, Page 706 of the Deed Records of Harris County, Texas, as amended by instrument dated January 26, 1956 recorded in Volume 3135, Page 261 of the Deed Records of said county and by instrument dated July 10, 1967 recorded in Volume 6835, Page 616 of the Deed Records of said county;
- (e) From Humble Oil & Refining Company to Tennessee Products Pipe Line Company dated May 1, 1957 recorded in Volume 3340, Page 188 of the Deed Records of Harris County, Texas, as amended by instrument dated July 10, 1967 recorded in Volume 6835, Page 616 of the Deed Records of said county; and
- (f) From Friendswood Development Company to Channel Industries Gas Company, Houston Pipe Line Company and Tenneco Oil Company dated May 20, 1970 recorded in Volume 8017, Page 190 of the Deed Records of Harris County, Texas.
- 117-21-1115

(5) The terms and provisions of Paragraphs 3 and 4 on Pages 7 and 8 of that certain agreement between Grantor and Grantee contained in a letter dated March 10, 1970 to which reference is here made and which paragraphs are incorporated herein for all purposes, and the covenants and obligations contained in such paragraphs and the repurchase option contained in such paragraphs shall inure to the benefit of, and

Permit No. HW-50216

Attachment A

Sheet 11 of 12

DEED

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be binding upon, the respective successors and assigns of Grantor and Grantee.

Grantee agrees for itself and its successors and assigns not to drill or operate or cause the drilling or operating of any water well on the land conveyed hereby; provided, however, that Grantee shall have the right to drill and operate water wells on said land if water is not otherwise available at or near said land and at rates which are competitive with rates being paid by users of the same class similarly situated in the southeast portion of Harris County, Texas. The location, method of completion and rate of production of said wells, if drilled or operated by Grantee, shall be subject to approval by Grantor, and Grantor's approval shall not be unreasonably withheld; and Grantee shall operate and produce such wells only so long as adequate water is not available to Grantee from such other sources at competitive rates as stipulated above.

Ad valorem taxes assessed against the land conveyed hereby for the year 1970 have been prorated as of the date hereof.

TO HAVE AND TO HOLD said land and premises unto Grantee, its successors and assigns, forever, subject, however, to the reservations and exceptions contained herein and the terms and provisions hereinabove set out; and subject thereto, Grantor agrees and does hereby bind and obligate itself to warrant and forever defend the title to said land unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

EXECUTED this 11th day of JUNE, 1970.

FRIENDSWOOD DEVELOPMENT COMPANY

By

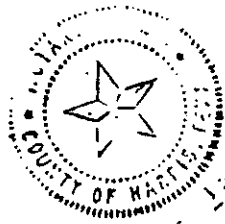
John B. Sumner
President

Secretary

STATE OF TEXAS
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this
day personally appeared JOHN B. TURNER, JR., known to me
to be the person whose name is subscribed to the foregoing
instrument as President of FRIENDSWOOD DEVELOPMENT COMPANY,
and acknowledged to me that he executed the same for the
purposes and consideration therein expressed and as the
act and deed of said FRIENDSWOOD DEVELOPMENT COMPANY.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the
11th day of JUNE, 1970.



Jean A. Cramer
Notary Public in and for
Harris County, Texas

Return to L.H. Baumgardner
Lawyer

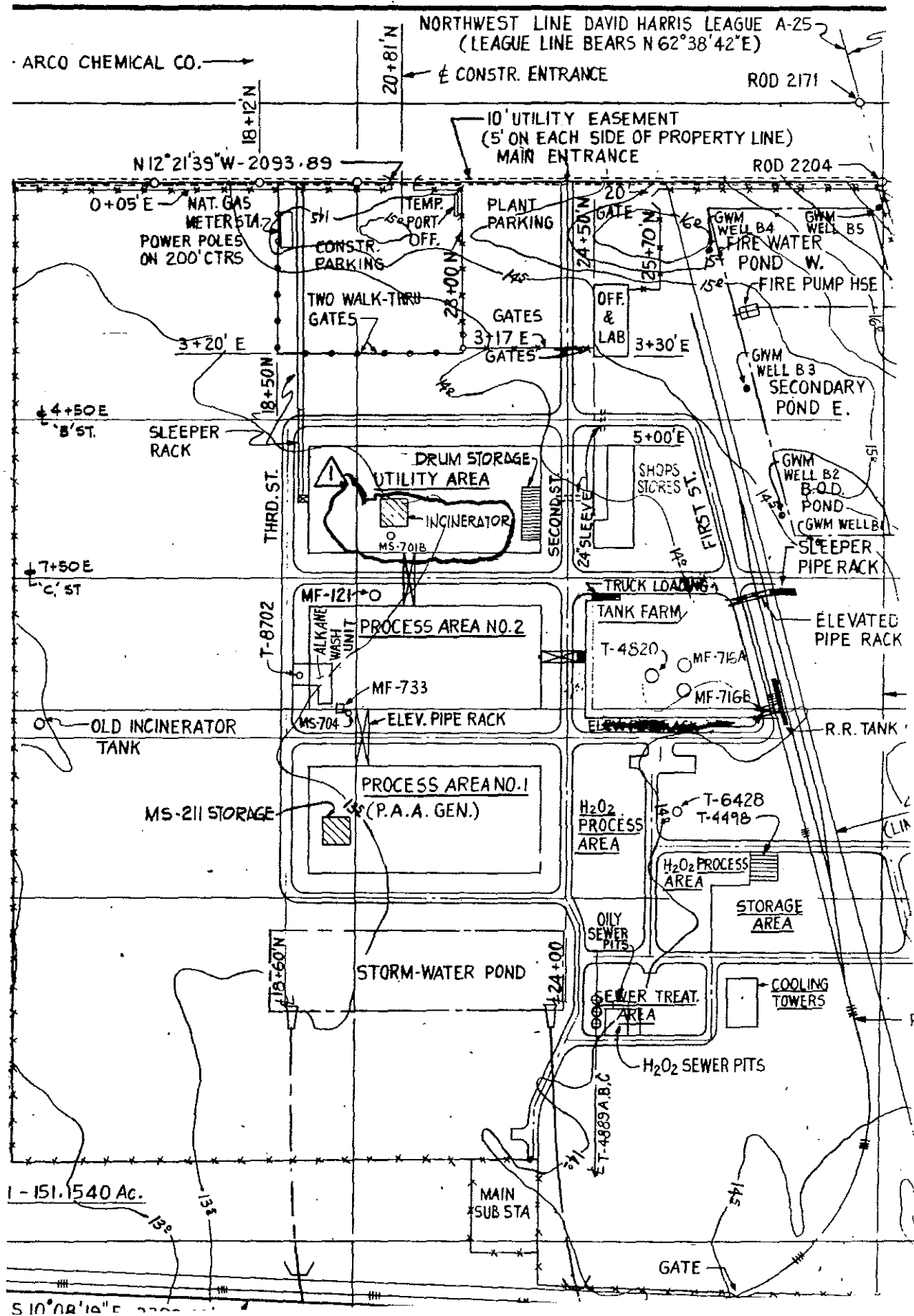
STATE OF TEXAS
COUNTY OF HARRIS
I hereby certify that this instrument was FILED on
the date and at the time stamped herein by me, and was
duly RECORDED, in the Volume and Page of the named
RECORDS of Harris County, Texas, as stamped herein by
me, on

JUN 11 1970



Petermonte
COUNTY CLERK
HARRIS COUNTY, TEXAS

117-27-11507



Emission Sources - Maximum Allowable Emission Rates

This table lists all sources of air contaminants on applicant's property emitted by the waste management units covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these waste management units. Any proposed increase in emission rates may require an application for a modification of the waste management units covered by this permit.

| Emission Point No. (1) | Source Name (2) | AIR CONTAMINANTS DATA | | |
|------------------------------|--------------------|-------------------------|-----------------|------|
| | | Air Contaminant Name | EMISSION RATES* | |
| | | | #/HR | TPY |
| | Incinerator | CO (3) | 0.71 | 3.1 |
| | | NO (4) | 7.86 | 34.4 |
| | | SO ^x (5) | 2.60 | 0.94 |
| | | PM ² (6) | 0.30 | 1.21 |
| | | HCl (7) | 0.001 | -- |
| | | Cl ₂ (8) | 0.001 | -- |
| | | VOC (9) | 2.69 | 0.97 |
| | Tank MS-211 | VOC | 0.03 | 0.13 |

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) CO = carbon monoxide
- (4) NO = total oxides of nitrogen
- (5) SO^x = sulfur dioxide
- (6) PM² = particulate matter
- (7) HCl = hydrogen chloride
- (8) Cl₂ = molecular chlorine
- (9) VOC = volatile organic compounds as defined in General Rule 101.1 but including methyl chloroform and Freon 113.

* Emission rates are based on the following operating schedule:
 8760 Hrs/year

WASTE FEED CUT-OFF SYSTEMS

| Parameter | Cut-Off Limit |
|-------------------------------------|--------------------------|
| Combustion Chamber Exit Temperature | < 1400°F |
| Volumetric Flow Rate | > 80,000 acfm |
| CO Concentration in the stack | > 100 ppm - hourly basis |
| Fuel Gas Pressure | < 2-10 oz. |
| Combustion Air Pressure | < 7 inches of water |

In addition, the waste feed cut-off system shall activate under any of the following conditions:

Electrical power outage

Loss of flame in the combustion chamber

Failure of any required monitoring equipment

Loss of instrument air

Loss of waste atomizing air

Loss of combustion air



TEXAS WATER COMMISSION
Stephen F. Austin State Office Building
Austin, Texas

PERMIT FOR INDUSTRIAL
SOLID WASTE MANAGEMENT SITE
issued under provisions of TEX.
REV. CIV. STAT. ANN. art. 4477-7

PERMIT NO. HW-50216

EPA PERMIT NO. TXD083570051

DRAFT
SUBJECT TO REVISION
APR 11 1989

Name of Permittee: FMC - Peroxygen Chemicals Division
12,000 Bay Area Boulevard
Pasadena, Texas 77507

Site Owner: FMC Corporation
200 East Randolph Drive
Chicago, Illinois 60601

Registered Agent for Service: C.T. Corporation System
Republic National Bank Building
P.O. Box 807
Dallas, Texas 75221

Classification of Site: Class I Hazardous,
Storage and Processing
On-site - Non-commercial

The permittee is authorized to store and process wastes in accordance with the limitations, requirements, and other conditions set forth herein. This permit is granted subject to Commission rules, other Orders of the Commission, and laws of the State of Texas. Nothing in this permit exempts the permittee from compliance with the applicable rules and regulations of the Texas Air Control Board.

This permit will be valid until cancelled, amended, or revoked by the Commission, except that the authorization to store and process wastes shall expire midnight, 10 years after the date of permit approval.

All provisions in this permit stem from State authority. The provisions marked with an asterisk (*) stem from both State and Federal authority.

APPROVED, ISSUED, AND EFFECTIVE this _____ day of _____,

ATTEST: _____
For the Commission

PERMIT NO. HW-50216
EPA I.D. NO. TXD 083570051
NAME: FMC - Peroxygen Chemicals Division

CONTINUATION SHEET 2 OF 25

I. Size and Location of Facility

- A. The FMC Peroxygen Chemicals Division waste management facility is located on a 427-acre tract of land that fronts on the east side of Bay Area Boulevard, approximately 1.8 miles south of the intersection of Fairmont Parkway and Bay Area Boulevard in Pasadena, Harris County, Texas. The site is in Segment Number 1113 of the San Jacinto-Brazos Coastal Basin (North Latitude 29°37'30" West Longitude 95°02'30").
- B. The area on which waste management activities governed by this permit are located is described by the attached legal descriptions (Attachment A).

II. Units and Operations Authorized

A. Wastes Authorized:

1. The permittee is authorized to manage industrial solid wastes listed in the application and described herein, subject to the limitations provided herein.

Wastes are limited to those generated at this facility.

2. Hazardous wastes authorized to be managed under this permit are limited as follows:

- a. Hazard Code Groups (as prescribed by the U.S. Environmental Protection Agency regulations in effect upon the date of permit approval):

| | |
|---|--|
| <input checked="" type="checkbox"/> Ignitable Waste (I) | <input type="checkbox"/> Acute Hazardous Waste (H) |
| <input type="checkbox"/> Toxic Waste (T) | <input type="checkbox"/> EP Toxic Waste (E) |
| <input type="checkbox"/> Corrosive Waste (C) | <input type="checkbox"/> Reactive Waste (R) |

| <u>Waste Descriptions</u> | <u>TWC</u> <u>Waste Class</u> | <u>Hazard</u> <u>Code</u> |
|---------------------------|----------------------------------|------------------------------|
| b. (1) Spent methanol | IH | I |

B. Units Authorized:

The permittee is authorized to operate the following units for storage and incineration subject to the limitations contained herein. All waste management activities subject to permitting are to be confined to the following units:

1. Tank, stainless steel closed, maximum capacity of 38,000 gallons, identified as Spent Methanol Tank MS-211 in the application (NOR No. 06) for storage of wastes described in Provision II.A.2.b.;

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CONTINUATION SHEET 3 OF 25

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[II.B.]

2. Incinerator, liquid injection-type, 20,000,000 BTU's per hour, identified as John Zink Thermal Oxidizer HF-702 in the application (NOR No. 01), for processing wastes described in Provision II.A.2.b.
- C. Authorization to operate these units is contingent upon maintenance of financial assurance pursuant to Provision IV.A.1. and financial liability requirements pursuant to Provision III.B.11. Authorization to begin operation of new units is contingent upon compliance with Provisions IV.A.1. and V.U. The permittee may not store, process, or dispose of waste unless compliant with all financial assurance requirements and liability requirements, to include all related financial assurance instruments and liability coverage instruments being in full force and effect.
- D. The units and operational methods authorized are limited to those described both herein and by the application and related plans and specifications which were included in the permit application submittals dated January 6, 1989. Prior to constructing or operating any unit in a manner which differs from either the related plans and specifications or the limitations of this permit, the permittee must satisfy the following requirements:
 1. Notify the TWC and submit plans and specifications for the proposed modification; and
 2. Receive written authorization of the Executive Director for such modification, if the Executive Director determines that a permit amendment is not required by TWC rules.
- E. Any proposed unit modifications, addition of units, or expansion in capacity which has not been addressed by the terms of this permit must be authorized in accordance with TWC permit amendment rules.

III. Facility Design, Construction, and Operation

- A. General Design, Construction, and Certification Requirements:
 1. Facility design, construction, and operation must comply with this permit, Texas Water Commission (TWC) Rules, and be in accordance with the plans and specifications for design, construction and operation approved herein. All plans submitted with the application dated January 6, 1989 are approved, subject to the terms of this permit and any other orders of the Texas Water Commission which are hereby incorporated by reference and made a part of this permit.

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CONTINUATION SHEET 4 OF 25

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[III.A.]

2. The facility shall be designed, constructed, operated, and maintained to prevent washout of any hazardous waste. At a minimum, all storm-water control structures shall be designed and constructed to prevent washout of any hazardous waste by a 100-year flood.
3. All authorized units shall be clearly identified as numbered in Provision II.B. At a minimum, the incinerator area is to have signs, and the tank is to have painted labels indicating "TWC PERMIT UNIT NO. (from Provision II.B.)," (for example, the Spent Methanol Tank MS-211 shall be labelled "TWC PERMIT UNIT NO. 1").

B. General Operational Requirements:

1. The permittee shall comply with the requirements of 40 CFR 264.17.
2. The permittee shall within 24 hours remove any spilled hazardous waste and waste residues and shall take steps necessary to prevent surface-water contamination as a result of any spills.
3. The permittee shall manage all wastes within the facility unit in a manner in which particulate emissions of waste to the air meet Texas Air Control Board and Texas Water Commission requirements.
4. All contaminated water as identified by Provisions III.B.5., IV.B.2. and IV.B.3. shall be disposed of by one of the following methods:
 - a. Removal to an on-site, authorized industrial solid waste unit; or
 - b. Removed off-site to an authorized industrial solid waste management facility.
5. The permittee shall ensure that any equipment which has come in contact with hazardous waste has been decontaminated prior to exiting the unit. At a minimum, all contaminated equipment shall be washed sufficiently to remove waste residues. All wash water generated shall be collected and disposed of in accordance with Provision III.B.4.
6. The annual site activity report required by Provision V.X. shall be submitted to the TWC Central Office and Southeast Region Office by January 25 of each year for the preceding year's activities. This annual report shall include, at a minimum, the following information:

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CONTINUATION SHEET 5 OF 25

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[III.B.6.]

- a. All information and records required by 31 Texas Administrative Code (TAC) 335.154;
 - b. Volume of all wastes stored at the facility unit authorized in Provision II.B. and;
 - c. Summary of the annual cost estimate adjustments for facility closure.
7. The permittee shall ensure that all waste analyses utilized for waste identification or verification have been performed in accordance with methods specified in the current editions of "Test Methods for Chemical Analysis of Water and Wastes" or "Test Methods for the Evaluation of Solid Waste" (SW-846) or other methods which are officially approved by the EPA. The permittee shall utilize only laboratories which follow a quality control/quality assurance program conforming to the program specified in "Test Methods for the Evaluation of Solid Waste" (SW-846).
 8. The permittee shall comply with inspection requirements of 40 CFR 264.15.
 9. The permittee shall comply with the training requirements of 40 CFR 264.16.
 10. All tanks, sumps, pumps, fire and spill control equipment, decontamination equipment, and all other equipment and structures authorized or required by this permit shall be maintained in good functional condition.
 11. The permittee shall secure and maintain liability coverage in compliance with the liability requirements of, and in a form outlined in, 40 CFR Part 264, Subpart H.
 12. The permittee shall comply with the security requirements of 40 CFR 264.14.
- C. Tank Design, Construction, and Operation Requirements:
- The permittee shall comply with the following minimum requirements for the tank authorized by Provision II.B.
1. The tank shall be constructed and operated in such a way as to not depart from the standards presented in Title 40, Code of Federal Regulations Sections 264.192-264.199.

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CONTINUATION SHEET 6 OF 25

[III.]

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D. General Air Quality Conditions

1. This facility shall be constructed and operated in accordance with and subject to the Texas Clean Air Act (TCAA) as amended (Article 4477-5, V.A.T.S.) and all applicable Rules, Regulations and Orders of the Texas Air Control Board (TACB). Said construction and operation is subject to any additional or amended Rules, Regulations, and Orders of the TACB adopted pursuant to the TCAA.
2. All representations with regard to construction plans and operating procedures in the permit application are conditions upon which this permit is issued. The permittee shall not vary from such representations if the change will cause a change in the method of control of emissions, the character of the emissions, or will result in an increase in the discharge of any air contaminant, unless he first makes an application to the Texas Water Commission (TWC) to amend the permit and such amendment is approved pursuant to the requirements of TACB Regulation X (31 TAC Chapter 120) and 31 TAC Chapter 335, Subchapter L. The TACB Central Office in Austin shall be notified at the time of such application to the TWC.
3. Start of construction of facility units, modification of an existing facility unit, interruption of construction exceeding 45 days, and completion of construction shall be reported to the appropriate regional office of the TACB not later than ten working days after occurrence of the event.
4. The appropriate regional office of the TACB shall be notified prior to the initial start-up of new or modified facility units authorized by this permit and prior to any required monitoring or sampling in such a manner that a representative of the TACB may be present at the time of the initial start-up, monitoring, or sampling.
5. Upon request by the Executive Director of the TACB, the permittee shall conduct sufficient sampling or other tests to prove satisfactory equipment performance. All calibration, sampling and testing procedures shall be approved by the Executive Director of the TACB and coordinated with the appropriate regional office representatives of the TACB.
6. If sampling is required, the permittee shall contact the Quality Assurance Division of the TACB prior to sampling to obtain the proper data forms and procedures. The permittee is responsible for providing sampling equipment and conducting sampling operations at his expense.

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CONTINUATION SHEET 7 OF 25

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SUBJECT TO REVISION

[III.D.]

7. Information and data concerning the date, type and quantity of wastes managed, waste analyses, facility inspections, operating hours, sampling, and monitoring data shall be maintained in the operating record at the plant site and made available at the request of personnel from the TACB, TWC, or any local environmental pollution control program having jurisdiction. Unless otherwise specified in this permit, the operating record shall be retained for at least three years following the date that the information or data are obtained.
8. The facility units covered by this permit shall not be operated unless all associated air pollution abatement equipment is maintained in good working order and is operating properly during normal facility operations.
9. Emissions from the facility units shall not cause or contribute to a condition of "air pollution" as defined in Section 1.03 of the TCAA or violate Section 4.01 of the TCAA. If the Executive Director of the TACB determines that such a condition or violation occurs, the permittee shall implement additional abatement measures as necessary to control or prevent the condition or violation.
10. Acceptance of the permit constitutes an acknowledgement and agreement that the permittee will comply with all applicable Rules, Regulations and Orders of the TACB issued in conformity with the TCAA and the conditions precedent to the granting of this permit or any amendment to the permit. Failure to comply with all conditions of this permit or amendment will subject the permittee to the enforcement provisions of the TCAA, Article 4477-5, and the Solid Waste Disposal Act, Article 4477-7, V.A.T.S.
11. This permit covers only the sources of emissions listed in the attached table entitled, "Emission Sources - Maximum Allowable Emission Rates", submitted by the TACB which is hereby made a part of this permit as "Attachment C" and those sources are limited to the emissions and other conditions specified in that attachment.
12. A copy of this permit shall be kept at the plant site and made available at the request of personnel from the TACB, TWC, or any local environmental pollution control program having jurisdiction.
13. The permittee shall construct and maintain the facility units in accordance with the plans and specifications represented in the application for this permit.

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CONTINUATION SHEET 8 OF 25

DRAFT

SUBJECT TO REVISION

[III.D.]

14. The permittee shall operate the facility units in compliance with all requirements of the Resource Conservation and Recovery Act and the rules promulgated thereunder as these directly or indirectly relate to air contaminant emissions.
15. The permittee shall operate the facility units in compliance with all rules and regulations of the TACB (except Regulation VI) and with the intent of the Texas Clean Air Act.
16. The permittee shall operate the facility units in compliance with the requirements of any applicable new source performance standard promulgated by the Environmental Protection Agency (EPA) pursuant to authority granted under the Federal Clean Air Act, Paragraph 111, as amended.
17. The permittee shall operate the facility units in compliance with all requirements of any applicable emissions standard for hazardous air pollutants promulgated by the EPA pursuant to authority granted under the Federal Clean Air Act, Paragraph 112, as amended.
18. Records shall be maintained on-site indicating the date, quantity, type, and composition of solid waste generated or managed at this facility. At a minimum, the definition of waste composition shall be provided in sufficient detail to identify the significant potential air contaminants. An analysis for those chemical compounds present in concentrations greater than one percent by volume of the total waste stream, which includes the concentration of the total organic carbon, shall be sufficient.

E. Incinerator Performance Standards.

The permittee shall maintain and operate the incinerator unit so that it will meet the following performance standards.

1. The unit shall not emit hydrogen chloride (HCl) in excess of 4 pounds per hour (lb/hr).
2. The unit shall not emit particulate matter in excess of 0.08 grains per dry standard cubic foot when corrected for the amount of oxygen in the stack gas in accordance with the formula specified in 40 CFR Part 264.343(c).
3. Compliance with the operating conditions specified in Provisions III.F.1.-6. of this permit will be regarded as compliance with the above performance standards. However, any evidence that compliance with the operating conditions or other permit conditions is insufficient to ensure compliance with the above

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NAME: FMC - Peroxygen Chemicals Division

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DRAFT
SUBJECT TO REVISION

[III.E.3.]

performance standards may be "information" justifying modification, revocation, or reissuance of the permit pursuant to 40 CFR Part 270.41.

F. Incinerator Area Operating Conditions

The permittee shall feed hazardous wastes to the incinerator unit only under the following conditions:

1. Incinerator operating instructions shall be readily available to incinerator operators.
2. The temperature of the combustion gas measured at the stack shall be maintained at not less than 1400°F.
3. The maximum volumetric flow rate through the system shall not exceed 80,000 actual cubic feet per minute (acfm) at 1400°F and 14.7 psia as measured at the stack.
4. The combustion gas concentration of carbon monoxide (CO) measured at the stack shall not exceed 100 ppm(v), on a sixty-minute average.
5. Fugitive emissions from the combustion zone shall be controlled by keeping the combustion zone totally sealed against fugitive emissions. Compliance with this provision may be determined when no visible emissions escape to the atmosphere from any opening on the exterior of the combustion zone areas.
6. The permittee shall maintain and operate an automatic waste feed cut off system which shall activate under the conditions specified in Attachment D.

G. Limitations on Wastes Incinerated

1. Only spent methanol waste may be burned in the incinerator.
2. The total organically-bound chloride content of the total waste feed shall not exceed 4.0 lb/hr.
3. The hazardous waste feeds to the incinerator shall not contain greater than 100 ppm of organic hazardous constituents listed in 40 CFR Part 261, Appendix VIII, except naphthalene which may be present in concentrations up to 200 ppm.
4. The total average heat value of the waste material and natural gas fired in the incinerator shall not be less than 7,236 BTU/lb of waste material fed to the unit.

PERMIT NO. HW-50216
EPA I.D. NO. TXD 083570051
NAME: FMC - Peroxygen Chemicals Division

CONTINUATION SHEET 10 OF 25

DRAFT
SUBJECT TO REVISION

[III.G.]

5. The feed rate of total wastes to the incinerator shall not exceed 2,764 lb/hr.
6. The total ash content of the waste shall not exceed 0.01 percent by weight.
7. The combined heat of combustion and heat content of all streams fed to the incinerator system shall not exceed 20 million BTU/hr at any time.
8. Auxiliary fuel shall be either sweet natural gas containing not more than 1.5 grains of hydrogen sulfide per 100 cubic feet and not more than 30 grains of total sulfur per 100 cubic feet, liquified petroleum gas, diesel oil, or No. 2 fuel oil. All diesel oil or No. 2 fuel oil shall be first run refinery grade and shall not consist of a blend containing waste oils or solvents. Use of any other auxiliary fuel will require prior approval of the Executive Director of the Texas Air Control Board. The permittee shall determine the lower heating value and total sulfur content of any auxiliary fuel used in the incinerator.

H. Other Incinerator Area Monitoring, Testing and Inspection Requirements

1. Combustion temperature, total waste feed rate, auxiliary fuel flow rate, and CO concentration shall be monitored and recorded on a continuous basis.
2. Carbon monoxide concentrations shall be measured with a continuous emission monitor (CEM). The CEM shall be certified by meeting the design and performance specifications, pass the field tests and meet the installation requirements, data analysis, and reporting requirements specified in the applicable Performance Specifications 40 CFR Part 60, Appendix B. In certifying the instrument, the permittee shall use appropriate reference methods and relative accuracy testing procedures specified in 40 CFR Part 60, Appendices A and B. If the CO monitor uses non-dispersive infrared (NDIR) analysis, a relative accuracy determination procedure shall be run using Reference Method 10A as found in 40 CFR Part 60, Appendix A. The carbon monoxide concentration shall be quantified as parts per million (ppm) by volume, dry basis.
3. An appropriate indicator of combustion gas volumetric flow shall be utilized to quantify the volumetric flow as actual cubic per minute (acfm).
4. The CEM systems shall be zeroed and spanned daily for each monitoring range. Corrective action shall be taken when the 24-hour span drift exceeds two times the amounts specified in 40 CFR Part 60, Appendix B or as specified by the TACB if not specified in Appendix B. Each calendar quarter, monitor accuracy shall be certified using a cylinder gas audit (CGA) as described

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in 40 CFR Part 60, Appendix F, Procedure 1, Section 5.1.2. Reference method testing can be substituted for cylinder gas audits if preferred by the permittee. Corrective action shall be taken when the CGA exceeds + 15 percent accuracy.

5. The incinerator and associated equipment must be visually inspected at least daily for leaks, spills, and fugitive emissions.
6. The emergency cut off system and associated alarms that would initiate the cut off must be tested at least weekly to verify operability.
7. The permittee shall maintain an operating record of the monitoring and inspection data collected in Provision III.H.1. and as required by 40 CFR Part 264.73 and 264.347. In addition, the permittee shall also record the following events:
 - a. All occasions when the operating limits specified in Provision III.F.1.-5. are exceeded; and
 - b. All occasions when waste feed is cut off by the automatic waste feed cut off system, including the date and time of the incident, and, if applicable, the values of operating or waste feed parameters that triggered the cut off.
8. Opacity of emissions from any stack shall not exceed five (5) percent, except for uncombined water, other than for those periods described in Rule 111.21 of Regulation I of the TACB.

I. Incinerator Sampling Requirements

1. The permittee may conduct additional sampling and analysis of the waste and exhaust emissions and request a modification of the operating requirements of Provisions III.F.1.-6. of this permit based upon a showing that the modified requirements are adequate to meet the performance standards of 40 CFR Part 264.343 and Provisions III.E.1.-3. of this permit.
2. Throughout normal operation the permittee shall conduct sufficient waste analysis, at least annually, to verify that the waste feed to the incinerator is within the physical and chemical composition limits specified in the waste analysis plan.

J. Additional Control Requirements

1. Facilities subject to these requirements include RCRA permitted storage tanks, loading facilities and associated sources of fugitive emissions handling hazardous wastes.

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2. Filling of storage vessels shall be accomplished by submerged fill pipes or equivalent technology that will minimize emissions.
3. Any storage tank shall be equipped with a high level alarm.
4. Incinerator area tanks shall be operated such that the tank vapors are not displaced or otherwise vented directly to the atmosphere. Tank vapors may be displaced to the incinerator.
5. Incinerator area tanks shall be equipped with emergency pressure-relief devices.
6. Any leaking or defective tank shall be repaired or emptied into a container or tank in good condition. The repair or emptying shall occur as soon as possible but not later than the end of the next daylight shift.
8. When loading a tank truck, trailer, rail car or marine vessel with hazardous liquids or vapors, any displaced hazardous vapors shall be disposed of in the incinerator or equivalent device.
9. Transport vessels being loaded with hazardous waste shall have been leak tested within one year as evidenced by prominently displayed certification. Leak testing methods shall comply with the requirements of the biannual Department of Transportation hydrostatic test method found in 49 CFR Part 177.824, "Retesting and Inspection of Cargo Tanks."

K. Fugitive Monitoring and Maintenance Requirements

The permittee shall comply with these requirements for all equipment items which contact hazardous wastes:

1. Construction of new or replacement piping, valve, and pump systems shall conform to applicable ANSI, API, ASME, or equivalent codes.
2. All new or replacement valves and unwelded piping connections in hazardous waste service shall be above ground and so located as to be reasonably accessible for leak-checking during plant operation.
3. All new or replacement piping connections larger than two-inch nominal pipe size shall be welded or flanged.
4. Prior to operation, all new or replacement pump, valve, and piping connections shall be hydrotested or gas tested at 100 percent or more of the maximum operating pressure and adjustments made as necessary to obtain bubble-tight, leak-free performance.

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5. All new or replacement pumps shall be sealless or equipped with double mechanical seals using water or a non-volatile and non-hazardous barrier fluid which operates at a pressure greater than the process pressure.
6. All pumps, valves, flanges, and emergency pressure-relief devices shall be inspected on a daily basis for visual, audible, or olfactory evidence that the item is leaking.
7. All pumps, valves, flanges, and emergency pressure-relief devices shall be monitored quarterly with a hydrocarbon gas analyzer. Monitored values greater than 10,000 ppm as measured by EPA Method 21 shall be considered evidence of a leak.
8. Visibly leaking equipment shall be taken out of service or repaired or replaced by the end of the next daylight shift. Monitored leaking equipment shall be tagged and replaced or repaired within 15 days after the leak is found.
9. Records of monitoring and maintenance actions shall be maintained for a period of three years and shall be made available to authorized state and local air pollution control agency personnel upon request and shall, as a minimum, include the following data:
 - a. List of all components monitored.
 - b. Checklist indicating that regular inspections are being performed.
 - c. Summaries of monitoring and inspection information including the date, time, equipment identification, monitoring or inspection results and corrective actions taken for all leaking components and subsequent monitoring results confirming the effectiveness of the corrective action. Summaries may be computerized but shall be signed by the person responsible.
 - d. Records of the calibration of the hydrocarbon gas analyzer.
10. In lieu of Provisions III.K.7.-9., the permittee may use the standards, methods, procedures, record keeping, and reporting requirements of 40 CFR Part 61, Subpart V for leak monitoring of any chemical in addition to the chemicals specified in Subpart J.

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IV. Closure

A. General Closure Requirements:

1. The permittee shall provide financial assurance for closure in accordance with the form outlined in 40 CFR 264, Subpart H in an initial amount not less than \$121,560. This financial assurance amount will be adjusted annually as specified in Provision IV.A.2.a. Financial assurance shall be secured and maintained in compliance with Commission regulations on hazardous waste financial requirements (31 TAC Section 335.152 and 40 CFR Part 264, Subpart H).
2. The permittee shall submit to the Executive Director upon request such information as may be necessary to determine the adequacy of financial assurance.
 - a. Within 60 days prior to the anniversary date of the financial assurance documents, or within 30 days after the firm's fiscal year for firms using the financial test or corporate guarantee, the facility's closure cost estimate shall be updated for inflation and submitted to the Executive Director. The adjustment shall be made by recalculating costs in current dollars, or by using an inflation factor derived from the most recent Implicit Price Deflator. Pursuant to 31 TAC 335.178, the cost estimate for closure shall be based on off-site disposal during closure of all waste and waste residue for all units not required to close as landfills.
 - b. If changes in the closure plan will increase the cost of closure, then the cost estimate shall be revised within 30 days after approval of the plan by the Executive Director. The revised cost shall also be adjusted as specified in Provision IV.A.2.a.
3. Facility closure shall commence
 - a. Upon direction of the Texas Water Commission or the Executive Director for violation of the permit, TWC Rules, or State Statutes;
 - b. Upon suspension, cancellation, or revocation of the terms and conditions of this permit concerning the authorization to store, process, or dispose of waste materials;
 - c. Upon abandonment of the site;

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- d. Upon direction of the Executive Director for failure to secure and maintain an adequate bond or other financial assurance as required in Provision IV.A.1.; or
 - e. When necessary to comply with Provision VII.C.
4. The permittee shall submit a written request for a permit amendment to authorize a change in operating plans, unit design, or the approved closure plan in accordance with the time frames of Provisions IV.A.5.a.-d. The written request shall include a copy of the amended closure plan for approval by the Executive Director. The permittee shall submit a written request for a permit amendment to authorize a change in the approved closure plan whenever any of the following conditions exist:
- a. Changes in operating plans or facility design affect the approved closure plan;
 - b. There is a change in the expected year of final closure, if applicable;
 - c. In conducting partial or final closure activities, unexpected events require amendment of the approved closure plan;
 - d. Requested by the Executive Director under the conditions described in Provisions IV.A.4.a.-c.
5. The permittee shall submit a written request for a permit amendment according to the following schedule:
- a. At least 60 days prior to the proposed change in unit design or operation which will affect the approved closure plan;
 - b. No later than 60 days after an unexpected event has occurred which has affected the closure plan;
 - c. No later than 30 days after an unexpected event has occurred, if the unexpected event occurs during the partial or final closure period; or
 - d. Within 60 days of the Executive Director's request pursuant to Provision IV.A.4.d., or within 30 days if the change in facility conditions occurs during partial or final closure.
6. The permittee shall notify the Executive Director in writing at least 45 days prior to the date on which he expects to begin final closure of the facility. A copy of the notice shall be submitted to the Texas Water Commission (TWC) Southeast Region Office.

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7. Within 60 days of the completion of final closure, the permittee shall submit to the Executive Director by registered mail, with a copy to the TWC Southeast Region Office, a certification that the hazardous waste management unit or facility, as applicable, has been closed in accordance with the specifications in the approved closure plan and the terms of this permit. The certification shall be signed by the permittee and by an independent registered professional engineer. Additional documentation supporting the independent registered professional engineer's certification shall be furnished to the Executive Director upon request until he releases the permittee from the financial assurance requirements for closure under 40 CFR 264.143(i).

B. Hazardous Waste Management Unit Area Closure Requirements:

1. All tanks, pumps, piping, and any other equipment or structures which have come in contact with waste shall either be decontaminated by removing all waste or disposed of at an authorized facility.
2. All wash water generated during decontamination activities shall be collected and disposed of in accordance with Provision III.B.4.
3. All hard-surfaced areas within the hazardous waste management unit areas shall be decontaminated and the wash water generated shall be collected and disposed of in accordance with Provision III.B.4.
4. Verification of decontamination shall be performed by analyzing wash water for the waste constituents which have been in contact with the particular item being decontaminated.

*V. STANDARD PERMIT CONDITIONS

The permittee has a duty to comply with the Standard Permit Conditions under Title 31 Texas Administrative Code (TAC) §305.125. Moreover, the permittee has a duty to comply with the following permit conditions:

- A. In order to continue a permitted activity after the expiration date of the permit the permittee shall submit a new permit application at least 180 days before the expiration date of the effective permit, unless permission for a later date has been granted by the Executive Director. Authorization to continue such activity will terminate upon the effective denial of said application.
- B. The permittee need not comply with the conditions of this permit to the extent and for the duration such noncompliance is authorized in an emergency order issued by the Commission.

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- C. For a new unit, the permittee shall not commence storage, processing or disposal of solid waste; and for a unit being modified, the permittee shall not process, store or dispose of solid waste in the modified portion of the unit, until the following requirements have been satisfied:

1. The permittee has notified the local TWC District Office and submitted to the Executive Director by certified mail or hand delivery a letter signed by the permittee and a Texas registered professional engineer certifying that the facility has been constructed or modified in compliance with the permit. Required certification shall be in the following form:

This is to certify that the construction of the following facility components authorized or required by TWC Permit No. HW-50216 has been completed, and that construction of said facility component has been performed in accordance with and in compliance with the design and construction specifications of Permit No. HW-50216. (Description of facility units and components with reference to applicable permit provisions), and

2. The Executive Director has inspected the modified or newly constructed unit and finds it is in compliance with the conditions of the permit; or within 15 days of submitting the letter required by Provision V.C.1., the permittee has not received notice from the Executive Director of an intent to inspect, prior inspection is waived and the permittee may commence processing, storage or disposal of solid waste.
- D. The following details shall be included as information which must be reported orally within 24 hours pursuant to Title 31 TAC §305.125(9):
1. Information concerning release of any solid waste that may cause an endangerment to public drinking water supplies.
 2. Any information of a release or discharge of solid waste, or of a fire or explosion from a facility unit, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include
 - a. name, address, and telephone number of the owner or operator;
 - b. name, address, and telephone number of the facility;
 - c. date, time, and type of incident;
 - d. name and quantity of material(s) involved;
 - e. the extent of injuries, if any;

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- f. an assessment of actual or potential hazards to the environment and human health outside the facility, where this is applicable; and
 - g. estimated quantity and disposition of recovered material that resulted from the incident.
- E. The Executive Director may waive the five-day written notice requirement as specified in Title 31 TAC §305.125(9) in favor of a written report submitted to the Commission within 15 days of the time the permittee becomes aware of the noncompliance or condition.
- F. An annual report must be submitted covering facility activities during the previous calendar year.
- G. Emissions from this facility must not cause or contribute to a condition of "air pollution" as defined in Section 1.03 of the Texas Clean Air Act or violate Section 4.01 of the Texas Clean Air Act, Article 4477-5, V.A.T.S. If the Executive Director of the Texas Air Control Board determines that such a condition or violation occurs, the permittee shall implement additional abatement measures as necessary to control or prevent the condition or violation.
- H. The provisions of this permit are severable, and if any provision of this permit or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.
- I. The permittee shall notify the Commission in writing within 10 days of the discovery of any release of hazardous waste or hazardous waste constituents that may have occurred from any solid waste management unit at the facility regardless of when the release occurred or may have occurred, and regardless of when waste was placed in any unit. Release of hazardous waste or hazardous waste constituents from any solid waste management unit regardless of when waste was placed in that unit or when the release occurred, will constitute grounds for (1) a major permit amendment pursuant to §4(e)(8), Solid Waste Disposal Act, Art. 4477-7 V.T.C.S., as necessary to incorporate into the permit appropriate corrective action; (2) the adoption by the Commission of a ground-water compliance plan; or (3) other action deemed necessary by the Commission. Pursuant to such permit amendment, ground-water compliance plan, or other order or action, the permittee shall then take timely corrective action for such releases.
- J. Waste Minimization

The permittee shall certify annually by October 1 for the previous year ending August 31, that the permittee

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1. has a program in place to reduce the volume and toxicity of all hazardous wastes which are generated by the permittee's facility operation to the degree determined to be economically practicable; and
 2. that the proposed method of treatment, storage, or disposal is that practicable method currently available to the permittee which minimizes the present and future threat to human health and the environment. The waste minimization certification is to be included in the operating records.
- K. The permittee shall comply with 40 CFR 266.23(b).
- L. The permittee is required to meet all performance standards in this permit, regardless of whether the permit also contains a specific design or other requirement relating to the performance standard.
- M. The permittee shall comply with the land disposal restrictions as found in 40 CFR 268 (Fed. Reg. November 7, 1986; June 4, 1987; July 8, 1987; August 17, 1988 and any subsequent applicable promulgations). Requirements include modifying the permittee's waste analysis plan, as necessary, to include analyses to determine compliance with applicable treatment standards or prohibition levels, pursuant to 40 CFR 268.7(c) and 264.13(a).

VI. INCORPORATED REGULATORY REQUIREMENTS

- A. The following Texas Water Commission regulations are hereby made provisions and conditions of this permit. Issuance of this permit with incorporated rules in no way exempts the permittee from compliance with any other applicable state statute and/or Commission Rule.
1. 31 Texas Administrative Code (TAC) Chapter 335 Subchapter A;
 2. 31 TAC Chapter 335 Subchapter B;
 3. 31 TAC Section 335.152;
 4. 31 TAC Sections 335.153-335.155; and
 5. 31 TAC Sections 335.177-335.179.
- B. To the extent applicable to the activities authorized by this permit, the following provisions of 40 Code of Federal Regulations Part 264, adopted by reference by 31 TAC Section 335.152, are hereby made provisions and conditions of this permit:

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1. Subpart B -- General Facility Standards;
2. Subpart C -- Preparedness and Prevention;
3. Subpart D -- Contingency Plan and Emergency Procedures;
4. Subpart E -- Manifest System, Recordkeeping, and Reporting;
5. Subpart G -- Closure and Post-closure;
6. Subpart H -- Financial Requirements;
7. Subpart J -- Tank Systems; and
8. Subpart O -- Incinerators.

VII. INCORPORATED APPLICATION MATERIALS

The permittee shall maintain the following documents at the facility and make them available for inspection by regulatory personnel.

A. Contingency Plan

The permittee shall follow the contingency plan, developed in accordance with 40 CFR Part 264, Subpart D, dated January 6, 1989 which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The contingency plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

B. Inspection Schedule

The permittee shall follow the inspection schedule, developed in accordance with 40 CFR 264.15, dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The inspection schedule is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the schedule shall become provisions and conditions of this permit upon the date of approval by the Commission.

C. Closure Plan

Facility closure shall be completed in accordance with the requirements of 31 TAC Section 335.152 and 40 CFR Part 264 Subpart G and the closure plan dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The closure plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of the permit upon the date of approval by the Commission.

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D. Waste Analysis Plan

The permittee shall follow the waste analysis plan developed in accordance with 40 CFR Part 264.13, dated January 6, 1989, which is hereby approved subject to the terms of this permit and any other orders of the Texas Water Commission. The waste analysis plan is hereby incorporated into this permit by reference as if set out fully herein. Any and all revisions to the plan shall become provisions and conditions of this permit upon the date of approval by the Commission.

VIII. RCRA Facility Investigation

The permittee shall conduct a RCRA facility investigation in order to determine whether hazardous constituents listed in 40 CFR Part 261, Appendix VIII have been released into the environment from the following waste management units:

| <u>RFI Unit No.</u> | <u>Description</u> |
|---------------------|--|
| 1 | Contaminated Sewer Lift Station |
| 2 | Process Sewer Lift Station |
| 3 | Used Work Solution Tank |
| 4 | Used Work Solution Tanks 716 A & B |
| 5 | Check Tank T 4889 C |
| 6 | H ₂ O ₂ Sewer Pits |
| 7 | Oil _y Sewer Pits |
| 8 | Wastewater Surge Tank |

A. As a part of the facility investigation, the permittee shall submit three copies of a workplan to the Executive Director of the TWC, and one copy to the Executive Director, Hazardous Waste Management Division, EPA Region VI, for approval and/or modification within 90 days from the issuance date of this permit by the TWC, which will include but is not limited to the following items:

1. A plan view drawing of the facility at a scale of 1 inch equal to not more than 300 feet which clearly shows the following information:
 - a. the locations, areal extent and estimated depths of soils contamination associated with RFI units 1 & 2.
 - b. the locations of RFI units 3 - 8.
 - c. all structures adjacent or nearby RFI units 1 - 8 such as concrete pads, gullies and roadways; and
 - d. the drawing date, its orientation and scale.

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2. Procedures for investigating RFI units 1 & 2 which, at a minimum, include the following elements:
 - a. methods of locating aerial extent of soil contamination; and
 - b. a hydrogeological evaluation of both unit areas which reflects the following scope:
 - (1) Performance of a hydrogeologic assessment of the area to characterize the uppermost aquifer beneath the unit. A soil boring program must be developed by the applicant to determine the strata encountered, saturated intervals and direction of ground-water flow. The workplan must specify the spacing, depth and locations of boreholes. Samples from borings must be taken continuously from the surface to a depth of 20 feet and then at 5-foot intervals thereafter until ground water is reached. Samples shall be described as to color, soil type according to the Unified Soil Classification System, other visual characteristics such as structure, texture, mineral composition, moisture, etc., and any visual or olfactory evidence of contamination. Sample description shall be performed by a qualified geologist or geotechnical engineer. Samples submitted for chemical analysis must be collected every 5 feet from the surface to the bottom of the borings and be analyzed in accordance with the United States Environmental Protection Agency publication SW-846, Test Methods for Evaluating Solid Waste, (USEPA SW-846) for all Appendix VIII constituents, unless a shorter list can be justified. If a shorter list is proposed, the justification for same must be presented in the workplan.
 - (2) Plans for installation of a ground-water monitoring system, based upon the results of the soil boring program, consisting of a minimum of one background well located hydraulically upgradient of the unit, removed a sufficient distance so as not to be affected by the unit, and at least three wells located on the down-gradient perimeter of the unit. Exploratory boreholes which are developed may be converted to monitor wells if they are appropriately drilled and located. The plan should include procedures for determining the ground-water gradient. More than three downgradient perimeter wells may be required to effectively sample the uppermost aquifer for hazardous constituents and additional background wells are recommended in order to provide an adequate sample population for determining if background values have been exceeded. Procedures for installation

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of monitor wells which include detailed completion methods shall be submitted in the workplan. The upper 20 feet of the upper flow zone of the uppermost aquifer must be sampled by wells. No monitor well screen length shall exceed 20 feet. Well construction and sampling materials shall be selected to avoid sample analysis interference. Monitor wells shall be logged during installation according to approved procedures which are outlined in the workplan. If existing wells are utilized as part of the ground-water monitoring system, the permittee shall provide sufficient boring data or conduct additional soil borings to provide the information which will characterize the well(s);

- (3) Well development methods. Methods of well development shall be described to ensure that any fluids introduced by drilling are removed and samples are not influenced by drilling activities;
- (4) Exact procedures for sampling and analysis of soil and water samples. The workplan shall include provisions for sample collection, sample preservation and shipment, analytical procedures, and chain of custody control. Statistical methods must be submitted that will be used to determine if a statistically significant increase over background has occurred for soil and water samples. The plan shall include a schedule for collecting samples from monitor wells during 3 sampling events spaced at 2 month intervals and analyzed in accordance with USEPA SW-846 for all Appendix VIII constituents, unless a shorter list can be justified. If a shorter list is proposed, justification for same must be presented in the workplan;
- (5) A preliminary soils and ground-water report to be submitted as part of the workplan. This preliminary report shall contain, at a minimum, the following information regarding the ground-water investigation:
 - (a) a site map which depicts the locations of all existing and proposed borings and monitor wells and lines of proposed geologic cross-sections;
 - (b) plans and schedule for submitting the hydrogeologic information; and
 - (c) well construction diagram.

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(6) Three copies of Final Soils and Ground-water Reports shall be submitted with the Facility Investigation report required by Provision VIII.D. which contains at a minimum the following information:

- (a) contours of the ground-water surface based on measurements in piezometers and monitor wells, and apparent direction of ground-water flow;
- (b) geologic cross-sections depicting the near-surface stratigraphy;
- (c) logs of all soil borings and monitor wells; and
- (d) results of analyses for soil and ground water.

3. Procedures for investigating RFI units 3-8 which at a minimum include the following elements:

Performance of a separate waste characterization, which includes an analysis for all Appendix VIII constituents, for waste materials and sludges contained in storage vessels and ancillary equipment associated with RFI units 3-8.

- 4. The permittee may elect to certify that no wastes with Appendix VIII constituents have been managed in an RFI unit or units in lieu of performing the investigation procedures noted in Provisions VIII.A.2. and VIII.A.3. provided that confirming data are submitted.
- 5. A time schedule including significant accomplishments for conducting the RCRA facility investigation activities not to exceed twelve months in duration.
- 6. A sample plan including sample locations, sampling methods, sampling equipment, sample handling procedures, analytical procedures, detection limits for each procedure, and sample quality assurance and quality control.
- 7. A safety plan describing the known hazards and risks identifying levels of protective clothing to be worn, describing decontamination procedures and identifying any special requirement or training needs.

B. The permittee shall immediately implement the approved work plan upon receipt of written approval.

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- C. The permittee shall notify the TWC Southeast Region Office in Deer Park, Texas at least 10 days prior to any sampling activity in order to afford District personnel the opportunity to observe sampling procedures and split samples.
 - D. The permittee shall submit three copies of an RCRA Facility Investigation report to the Executive Director, and one copy to the Director, Hazardous Waste Management Division, EPA Region VI, within 60 days after the completion of the Facility Investigation. This report shall contain the results of all inspections, observations, evaluations and sampling events conducted as a part of the Facility Investigation along with all maps, drawings and cross-sections.
 - E. If it is determined by the Commission that there has been a release to the environment of hazardous constituents listed in 40 CFR Part 261, Appendix VIII, the permittee shall apply to the Executive Director of the TWC for an amendment to this permit in order to initiate a further investigation and/or corrective action.

Attachments

- A -- Legal Description
- B -- Site Plan
- C -- Maximum Allowable Emission Rates
- D -- Waste Feed Cut-off Systems

ATTACHMENT

A

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Attachment A
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STATE OF TEXAS
COUNTY OF HARRIS

KNOW ALL MEN BY THESE PRESENTS:

THAT, FRIENDSWOOD DEVELOPMENT COMPANY, a corporation hereinafter called "Grantor", for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations in cash to it paid by FMC CORPORATION, a corporation, the receipt of which is hereby acknowledged, has granted, sold and conveyed and does hereby grant, sell and convey, subject to the reservations and exceptions hereinafter made and the terms and provisions hereof, unto the said FMC CORPORATION, hereinafter called "Grantee", the following described land and premises:

3.92
on
BEING TWO HUNDRED FORTY THREE AND FOUR THOUSAND SEVEN HUNDRED EIGHTY THREE TEN-THOUSANDTHS (243.4783) ACRES CONSISTING OF TWO PARCELS, PARCEL 1 BEING ONE HUNDRED FIFTY ONE AND ONE THOUSAND FIVE HUNDRED FORTY TEN-THOUSANDTHS (151.1540) ACRES OUT OF THE DAVID HARRIS LEAGUE, A-25, AND THE GEORGE B. MCKINSTRY LEAGUE, A-47, AND PARCEL 2 BEING NINETY TWO AND THREE THOUSAND TWO HUNDRED FORTY THREE TEN-THOUSANDTHS (92.3243) ACRES OUT OF THE GEORGE B. MCKINSTRY LEAGUE, A-47, HARRIS COUNTY, TEXAS, AND BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

Parcel 1

BEGINNING at a Rod marked 2201 for the southwest corner of the herein described parcel in the said David Harris League, A-25, said rod being N 87° 14' 08" E, 75.00 feet and N 87° 11' 14" E, 75.00 feet from a Rod marked 2168 at the southeast corner of a 122.746-acre tract described in deed from Friendswood Development Company to Atlantic Richfield Company, dated March 31, 1967, and recorded in Volume 6713, Page 288, Deed Records of Harris County, Texas, said Rod 2201 also being at the intersection of the east line of 150-foot wide Bay Area Boulevard with the north line of proposed Choate Road;

*Twenty acres of Parcel 1 land was sold to Evalca Co. of America. See attached December 9, 1985 G.O. Edwards to K. Woerz correspondence.

6839 480

THENCE N 2° 47' 35" W, with the east line of said Bay Area Boulevard, 82.96 feet to Rod 2202 at the P.C. of a curve to the left;

THENCE with said curve having a radius of 3063.64 feet and a central angle of 9° 34' 04", a distance of 511.60 feet to Rod 2203 at the P.T. of said curve in the east line of said Bay Area Boulevard;

THENCE N 12° 21' 39" W, with the east line of said Bay Area Boulevard 2093.89 feet to Rod 2204 in the southerly line of an 80-foot wide pipeline right-of-way in the said George B. McKinstry League;

THENCE N 62° 27' 25" E, with the southerly line of said pipeline right-of-way 2264.76 feet to Rod 2205 at the northeast corner of the herein described parcel in the westerly line of a drainage easement, said Rod 2205 being S 62° 38' 42" W, 503.88 feet and N 10° 08' 19" W, 15.95 feet from Monument 184, being 4" round concrete with bronze cap, marking the southeast corner of the said George B. McKinstry League, and the northeast corner of the said David Harris League in the west line of the William P. Harris League, A-30;

THENCE S 10° 08' 19" E, with the westerly line of the said drainage easement 3382.14 feet to Rod 2206 in the said David Harris League;

THENCE S 87° 11' 14" W, 435.60 feet to Rod 2207;

THENCE S 10° 08' 19" E, 252.06 feet to Rod 2208 in the north line of said proposed Choate Road;

THENCE S 87° 11' 14" W, with the north line of said Choate Road, 1695.13 feet to the place of beginning and containing 151.1540 acres, more or less in Parcel 1;

Parcel 2

BEGINNING at a Rod marked 2209 at the intersection of the east line of 150-foot wide Bay Area Boulevard with the north line of an 80-foot wide pipeline right-of-way, said Rod being N 12° 21' 39" W, 82.89 feet from Rod 2204 at the northwest corner of Parcel 1 previously described;

THENCE N 12° 21' 39" W, with the east line of said Bay Area Boulevard 1839.18 feet to Rod 2210 for the northwest corner of the herein described parcel 2;

THENCE N 62° 27' 25" E, 2052.00 feet to Rod 2211 at the northeast corner of the herein described Parcel 2, said rod being a distance of 55 feet measured at right angles southwesterly from the center line of a 6-inch Gulf Refining Company Pipeline;

THENCE S 33° 34' 27" E, parallel to the center line of said Gulf Pipeline, a distance of 271.08 feet to Rod 2212;

THENCE S 32° 48' 46" E, parallel to the center line of said Gulf Pipeline, a distance of 629.58 feet to Rod 2213 in the westerly line of a drainage easement;

THENCE S 4° 07' 04" E, with the westerly line of said drainage easement, a distance of 695.60 feet to Rod 2214 at an angle point in the westerly line of said drainage easement;

THENCE S 10° 08' 19" E, with the westerly line of said drainage easement, a distance of 251.75 feet to Rod 2215 at the intersection of the westerly line of said drainage easement with the northerly line of said 80-foot pipeline right-of-way;

THENCE S 62° 27' 25" W, with the northerly line of said pipeline right-of-way, 2268.13 feet to the place of beginning and containing 92.3243 acres, more or less, in parcel 2, and a total of 243.4783 acres herein conveyed.

Bearings recited herein are based on the Lambert Grid, Texas South Central Zone. Rods are 5/8-inch in diameter by 36 inches long with 1-1/2-inch bronze caps stamped as indicated.

It is the intention of Grantor to convey and there is conveyed hereby only the land within the above and foregoing specific boundaries and description, and this conveyance does not extend to and no conveyance is made hereby of any land in and under or affected by any easement or easements outside of but bordering on and lying along and being adjacent to the boundaries of said land as described above, the land in and under and affected by any such easements which are outside of the boundaries of said land being hereby excepted herefrom and reserved by Grantor for itself and its successors and assigns.

Grantor excepts herefrom for itself and its successors and assigns an easement for electric power utility purposes five (5) feet in width along the west lines of Parcels 1 and 2 described above, the easterly line of such easement being five (5) feet from and parallel to the west lines of said parcels and the right of ingress and egress for all purposes necessary thereto.

This conveyance is made and accepted subject to:

1. The exception and reservation of all oil, gas and other minerals in and under the land conveyed

hereby, as excepted and reserved by Humble Oil & Refining Company in a conveyance to Grantor dated June '12, 1967, recorded in Volume 6800, Page 203, of the Deed Records of Harris County, Texas, as amended by deed dated July 6, 1967, recorded in Volume 6832, Page 182, of the Deed Records of said county;

2. Environmental Standards for the industrial area known as "Bayport", Harris County, Texas, recorded in Volume 5550, Page 215, of the Deed Records of Harris County, Texas, as amended by amendment instrument recorded in Volume 5920, Page 165 of the Deed Records of Harris County, Texas; and
3. The terms and provisions of Paragraphs (1), (2), and (3) on Pages 9, 10 and 11 of that certain agreement between Friendswood Development Company and FMC Corporation contained in a letter dated May 16, 1967, to which reference is here made and which paragraphs are incorporated herein for all purposes, and the covenants and obligations contained in such paragraphs and the repurchase option contained in such paragraphs shall enure to the benefit of and be binding upon the respective successors and assigns of Friendswood and Grantee.

Grantee agrees for itself and its successors and assigns not to drill or operate or cause the drilling or operating of any water well on the land conveyed hereby; provided, however, that Grantee shall have the right to drill and operate water wells on said land if water is not otherwise available at or near said land and at rates which are competitive with rates being paid by users of the same class similarly situated in the southeast portion of

Harris County, Texas. The location, method of completion and rate of production of said wells, if drilled or operated by Grantee, shall be subject to approval by Grantor and Grantor's approval shall not be unreasonably withheld; and Grantee shall operate and produce such wells only so long as adequate water is not available to Grantee from such other sources at competitive rates as stipulated above.

Ad valorem taxes assessed against the land conveyed hereby for the year 1967 have been prorated as of the date hereof.

TO HAVE AND TO HOLD said land and premises unto Grantee, its successors and assigns, forever, subject, however, to the reservations and exceptions contained herein and the terms and provisions hereinabove set out; and subject thereto, Grantor agrees and does hereby bind and obligate itself to warrant and forever defend the title to said land unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

EXECUTED this 17th day of July, 1967.

FRIENDSWOOD DEVELOPMENT COMPANY

By John B. Suran
President



Secretary

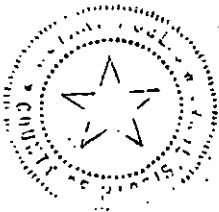


Handwritten notes and signatures on the right margin.

STATE OF TEXAS
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this day personally appeared John B. Turner, Jr., known to me to be the person whose name is subscribed to the foregoing instrument as President of FRIENDSWOOD DEVELOPMENT COMPANY, and acknowledged to me that he executed the same for the purposes and consideration therein expressed and as the act and deed of said FRIENDSWOOD DEVELOPMENT COMPANY.

Given under my hand and seal of office this the 17th day of July, 1967.



Elva A. Wells
Notary Public in and for
Harris County, Texas

ELVA A. WELLS
Notary Public in and for Harris County, Texas
My Commission Expires 6-1-69

076-39-1358

076-39-1358

JUN-11-70 4 5 7 3 7 6 D 123161 LJA PO 6

D123161

STATE OF TEXAS
COUNTY OF HARRIS

KNOW ALL MEN BY THESE PRESENTS:

THAT, FRIENDSWOOD DEVELOPMENT COMPANY, a corporation hereinafter called "Grantor", for and in consideration of the sum of Ten Dollars (\$10.00) and other valuable considerations in cash to it paid by FMC CORPORATION, a corporation, the receipt of which is hereby acknowledged, has granted, sold and conveyed and does hereby grant, sell and convey, subject to the reservations and exceptions hereinafter made and the terms and provisions hereof, unto the said FMC CORPORATION, hereinafter called "Grantee", the following described land and premises:

TWO HUNDRED THREE AND SEVEN HUNDRED THIRTEEN THOUSANDTHS (203.713) ACRES OF LAND OUT OF THE GEORGE B. MCKINSTRY LEAGUE, A-47, HARRIS COUNTY, TEXAS, MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING at Rod 2210 marking the northwest corner of a 92.3243-acre tract described as Parcel 2 in deed from Friendswood Development Company to FMC Corporation dated July 17, 1967, and recorded in Volume 6839, Page 480, Deed Records of Harris County, Texas, said Rod 2210 being in the east right-of-way line of 150-foot wide Bay Area Boulevard;

THENCE N 12° 21' 39" W with the said east right-of-way line of Bay Area Boulevard, 642.93 feet to Rod 2387 at the P.C. of a curve to the right;

THENCE in a northerly direction with said east line of Bay Area Boulevard, along said curve, having a radius of 2216.83 feet, and a central angle of 11° 20' 54", an arc distance of 439.08 feet to Rod 2386 at the P.T. of said curve;

THENCE N 1° 00' 45" W with the said east line of Bay Area Boulevard, 3416.02 feet to Rod 2385 in the north line of the said McKinstry League, said Rod being in the south line of a 50-foot wide railroad right-of-way;

THENCE N 87° 26' 12" E with the south line of said railroad right-of-way, same being the north line of said McKinstry League, 2058.24 feet to Rod 2382 in the west line of a drainage

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HARRIS COUNTY CLERK
JUN 11 1970

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WM 8035

117-27-1502

51
easement, said Rod being 835.00 feet from Monument 213 marking the northeast corner of the said George McKinstry League;

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THENCE S 3° 01' 51" E, with the west line of said drainage easement 1971.15 feet to Rod 2383 at an angle point in said west line of said easement;

THENCE S 10° 08' 23" E with the west line of said drainage easement 2139.18 feet to Rod 2384 at an angle point in said west line of said easement;

THENCE S 4° 15' 23" E with the west line of said drainage easement 303.72 feet to Rod 2213 marking the most easterly northeast corner of said FMC 92.3243-acre tract;

THENCE N 32° 48' 46" W with the northeast line of the said FMC Tract, 629.58 feet to Rod 2212 at an angle point in said northeast line;

THENCE N 33° 34' 27" W with the northeast line of the said FMC Tract, 271.08 feet to Rod 2211 marking the most northerly northeast corner of the said FMC Tract;

THENCE S 62° 27' 25" W with the northwest line of the said FMC Tract 2052.00 feet to the place of beginning and containing 203.713 acres, more or less.

BEARINGS recited herein are based on the Lambert Grid, Texas South Central Zone; RODS are 5/8-inch diameter copper-coated, with 1-1/2-inch diameter bronze caps, stamped as indicated; CONCRETE monument is 4-inch diameter with 3-inch bronze cap stamped as indicated.

It is the intention of Grantor to convey and there is conveyed hereby only the land within the above and foregoing specific boundaries and description, and this conveyance does not extend to, and no conveyance is made hereby of, any land in and under or affected by any easement or easements outside of but bordering on and lying along and being adjacent to the boundaries of said land as described above, the land in and under and affected by any such easements which are outside of the boundaries of said land being hereby excepted herefrom and reserved by Grantor for itself and its successors and assigns.

117-27-0503

VN 8035 53

This conveyance is made and accepted subject to:

(1) Easement dated August 17, 1967 from Humble Oil & Refining Company and Friendswood Development Company to Houston Lighting & Power Company recorded in Volume 6948, Page 437 of the Deed Records of Harris County, Texas, insofar as said easement affects the land conveyed hereby;

(2) The ownership of all oil, gas and other minerals in and under the land as excepted and reserved by Humble Oil & Refining Company in conveyance to Grantor dated October 25, 1967 recorded in Volume 6973, Page 503 of the Deed Records of Harris County, Texas, and as conveyed to Humble Oil & Refining Company by Grantor in conveyance dated September 21, 1967 recorded in Volume 6926, Page 352 of the Deed Records of said county and the royalty interest in oil, gas and other minerals as excepted and reserved by Sarah E. Sharp in conveyance to Grantor dated August 22, 1967 recorded in Volume 6890, Page 115 of the Deed Records of said county;

(3) Environmental Standards for the industrial area known as "BAYPORT", Harris County, Texas, recorded in Volume 5550, Page 215 of the Deed Records of said county, as amended by amendment instrument recorded in Volume 5920, Page 165 of the Deed Records of said county;

(4) The following easements and rights-of-way:

- (a) From Humble Oil & Refining Company to Shell Pipe Line Company dated October 28, 1942 recorded in Volume 1272, Page 190 of the Deed Records of Harris County, Texas;
- (b) From Humble Oil & Refining Company to Defense Plant Corporation dated May 26, 1943 recorded in Volume 1273, Page 367 of the Deed Records of Harris County, Texas;

117-27-C504

- (c) From Humble Oil & Refining Company to Gulf Refining Company dated August 30, 1951 recorded in Volume 2341, Page 306 of the Deed Records of Harris County, Texas;
- (d) From Humble Oil & Refining Company to Tennessee Gas Transmission Company dated July 27, 1955 recorded in Volume 3007, Page 706 of the Deed Records of Harris County, Texas, as amended by instrument dated January 26, 1956 recorded in Volume 3135, Page 261 of the Deed Records of said county and by instrument dated July 10, 1967 recorded in Volume 6835, Page 616 of the Deed Records of said county;
- (e) From Humble Oil & Refining Company to Tennessee Products Pipe Line Company dated May 1, 1957 recorded in Volume 3340, Page 188 of the Deed Records of Harris County, Texas, as amended by instrument dated July 10, 1967 recorded in Volume 6835, Page 616 of the Deed Records of said county; and
- (f) From Friendswood Development Company to Channel Industries Gas Company, Houston Pipe Line Company and Tenneco Oil Company dated May 20, 1970 recorded in Volume 8017, Page 190 of the Deed Records of Harris County, Texas.

(5) The terms and provisions of Paragraphs 3 and 4 on Pages 7 and 8 of that certain agreement between Grantor and Grantee contained in a letter dated March 10, 1970 to which reference is here made and which paragraphs are incorporated herein for all purposes, and the covenants and obligations contained in such paragraphs and the repurchase option contained in such paragraphs shall inure to the benefit of, and

Permit No. HW-50216

Attachment A

Sheet 11 of 12

DEED

VM 8035

be binding upon, the respective successors and assigns of Grantor and Grantee.

Grantee agrees for itself and its successors and assigns not to drill or operate or cause the drilling or operating of any water well on the land conveyed hereby; provided, however, that Grantee shall have the right to drill and operate water wells on said land if water is not otherwise available at or near said land and at rates which are competitive with rates being paid by users of the same class similarly situated in the southeast portion of Harris County, Texas. The location, method of completion and rate of production of said wells, if drilled or operated by Grantee, shall be subject to approval by Grantor, and Grantor's approval shall not be unreasonably withheld; and Grantee shall operate and produce such wells only so long as adequate water is not available to Grantee from such other sources at competitive rates as stipulated above.

Ad valorem taxes assessed against the land conveyed hereby for the year 1970 have been prorated as of the date hereof.

TO HAVE AND TO HOLD said land and premises unto Grantee, its successors and assigns, forever, subject, however, to the reservations and exceptions contained herein and the terms and provisions hereinabove set out; and subject thereto, Grantor agrees and does hereby bind and obligate itself to warrant and forever defend the title to said land unto Grantee, its successors and assigns, against every person whomsoever lawfully claiming or to claim the same or any part thereof.

EXECUTED this 11th day of JUNE, 1970.

FRIENDSWOOD DEVELOPMENT COMPANY

By John B. Dunning
President

Secretary

Permit No. HW-50216
Attachment A
Sheet 12 of 12

DEED RECORDS

VN 8035 56

STATE OF TEXAS
COUNTY OF HARRIS

BEFORE ME, the undersigned authority, on this day personally appeared JOHN B. TURNER, JR., known to me to be the person whose name is subscribed to the foregoing instrument as President of FRIENDSWOOD DEVELOPMENT COMPANY, and acknowledged to me that he executed the same for the purposes and consideration therein expressed and as the act and deed of said FRIENDSWOOD DEVELOPMENT COMPANY.

GIVEN UNDER MY HAND AND SEAL OF OFFICE this the 11th day of JUNE, 1970.



Jean A. Cunniff
Notary Public in and for
Harris County, Texas

*Return to B.H. Baumgardner
Lawyers Ltd. of*

STATE OF TEXAS
COUNTY OF HARRIS

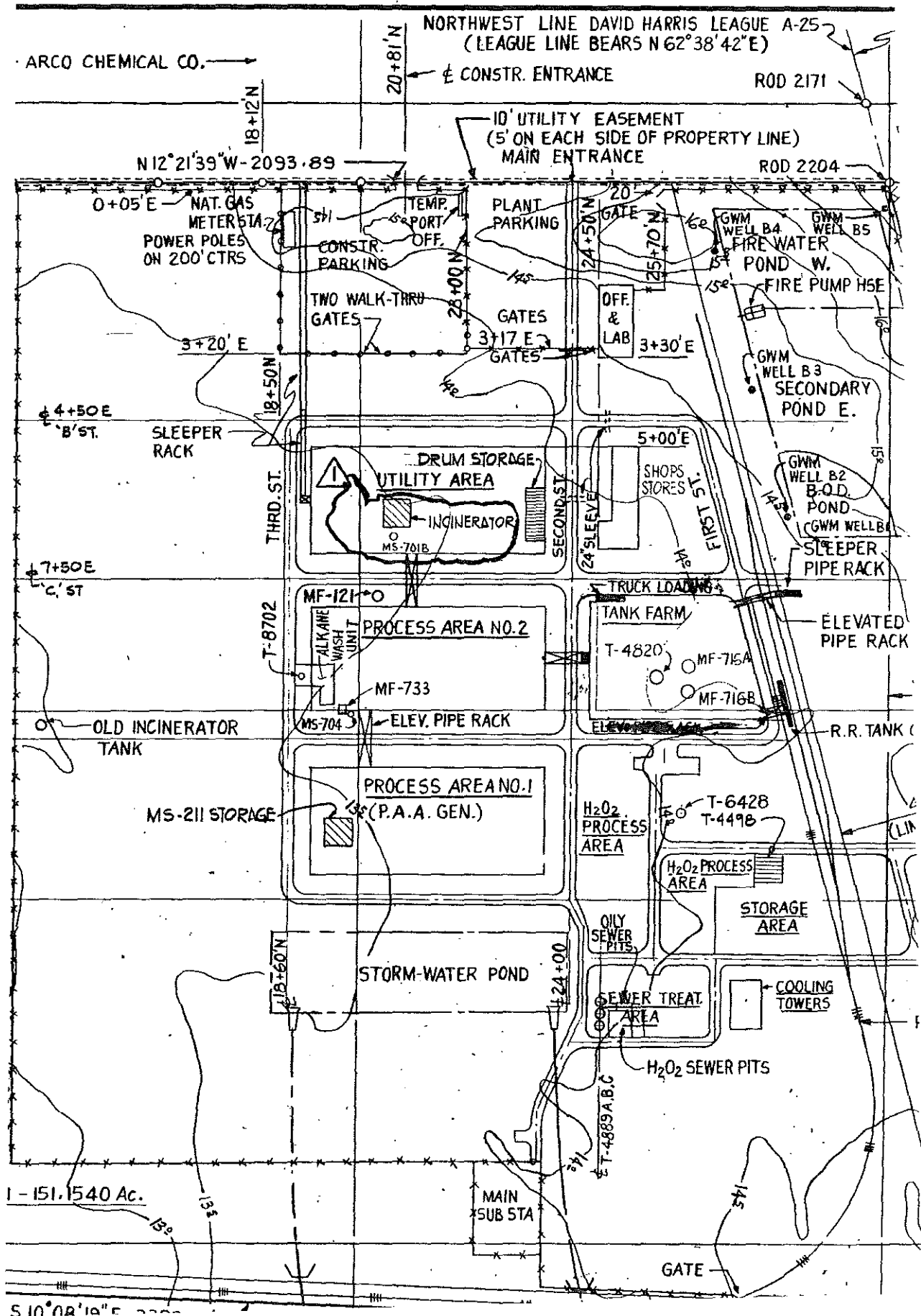
I hereby certify that this instrument was FILED on the date and at the time stamped hereon by me, and was duly RECORDED in the Volume and Page of the named RECORDS of Harris County, Texas, as stamped hereon by me, on

JUN 11 1970



Peterman
COUNTY CLERK
HARRIS COUNTY, TEXAS

117-27-11507



Emission Sources - Maximum Allowable Emission Rates

This table lists all sources of air contaminants on applicant's property emitted by the waste management units covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these waste management units. Any proposed increase in emission rates may require an application for a modification of the waste management units covered by this permit.

| Emission Point No. (1) | Source Name (2) | AIR CONTAMINANTS DATA | | |
|------------------------------|--------------------|-------------------------|-----------------|------|
| | | Air Contaminant Name | EMISSION RATES* | |
| | | | #/HR | TPY |
| | Incinerator | CO (3) | 0.71 | 3.1 |
| | | NO (4) | 7.86 | 34.4 |
| | | SO ^x (5) | 2.60 | 0.94 |
| | | PM ² (6) | 0.30 | 1.21 |
| | | HCl (7) | 0.001 | -- |
| | | Cl ₂ (8) | 0.001 | -- |
| | | VOC (9) | 2.69 | 0.97 |
| | Tank MS-211 | VOC | 0.03 | 0.13 |

- (1) Emission point identification - either specific equipment designation or emission point number from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) CO = carbon monoxide
- (4) NO = total oxides of nitrogen
- (5) SO^x = sulfur dioxide
- (6) PM² = particulate matter
- (7) HCl = hydrogen chloride
- (8) Cl₂ = molecular chlorine
- (9) VOC = volatile organic compounds as defined in General Rule 101.1 but including methyl chloroform and Freon 113.

DRAFT
SUBJECT TO REVISION

* Emission rates are based on the following operating schedule:
8760 Hrs/year

WASTE FEED CUT-OFF SYSTEMS

| Parameter | Cut-Off Limit |
|-------------------------------------|--------------------------|
| Combustion Chamber Exit Temperature | < 1400°F |
| Volumetric Flow Rate | > 80,000 acfm |
| CO Concentration in the stack | > 100 ppm - hourly basis |
| Fuel Gas Pressure | < 2-10 oz. |
| Combustion Air Pressure | < 7 inches of water |

In addition, the waste feed cut-off system shall activate under any of the following conditions:

Electrical power outage

Loss of flame in the combustion chamber

Failure of any required monitoring equipment

Loss of instrument air

Loss of waste atomizing air

Loss of combustion air

DRAFT
SUBJECT TO REVISION

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
{ also see instructions }

22

YOUR SOLID WASTE
REGISTRATION NUMBER: 306141G1
Report for: 1993

Your
EPA ID # TXD08357005

10

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507 (Area Code) Telephone: (281) 474-8705

SUMMARY STATUS

☒ ORIGINAL SUMMARY ☐ REVISED SUMMARY ☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|--|--------------------------|------|
| 00063011 | | | | | Soil Contaminated with ORC/INORG Materials | 1.8 | T |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 1.8 | T | M132 | | H1307 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------------|--------------------------|------|
| 0009203H | D001 | D039 | | | Spent Parts Cleaning Solvent | 792 | P |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 792 | P | M125 | | 71143 | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

THOMAS R. SOLOMON
Preparer (PRINT NAME)
Signature of Preparer
1/19/99
Date

TERRENCE J. ZERR
Authorized Agent (PRINT NAME)
Signature of Authorized Agent
1/19/99
Date

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
22 { also see instructions }

Your
EPA ID # T X D 08 3 5 7 0 0 5

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507

(Area Code) Telephone:
(281) 474-8705

SUMMARY STATUS

☒ ORIGINAL SUMMARY

☐ REVISED SUMMARY

☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER. SEE INSTRUCTION BOOKLET RG-151.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|--------------------------|------|
| 0,0,1,1,2,0,1,H | 0001 | | | | Waste Diesel Fuel | 200 | P |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 200 | P | M061 | | 50212 | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------------------|--------------------------|------|
| 0,0,1,5,3,1,9,H | D009 | | | | Used Fluorescent Bulbs (Trace of H6) | 100 | P |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 100 | P | M019 | | 50212 | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

THOMAS R. SOLOMON

Preparer (PRINT NAME)

TERRENCE J. ZERR

Authorized Agent (PRINT NAME)

Thomas R. Solomon
Signature of Preparer

1/19/99
Date

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

Page 2 of 9

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
also see instructions

REGISTRATION NUMBER: 3 0 6 14 G 1 Report for: 19 98

Your EPA ID # T X D 08 3 5 7 0 0 5

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507

(Area Code) Telephone: (281) 474-8705

☒ ORIGINAL SUMMARY ☐ REVISED SUMMARY ☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|------------------------|--------------------------|------|
| 0 0 1 6 2 0 3 1 | | | | | Parts Cleaning Solvent | 3 0 6 | P |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 3 0 6 | P | M 1 2 5 | | 7 1 1 4 3 | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|--------------------------|------|
| 0 1 0 4 3 1 9 1 | | | | | Spent Filter Aid | 3 . 4 8 | T |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| 3 . 4 8 | T | M 1 3 2 | | H 1 3 0 7 | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete.

THOMAS R. SOLOMON

Preparer (PRINT NAME)

TERRENCE J. ZERR

Authorized Agent (PRINT NAME)

Thomas R. Solomon
Signature of Preparer

1/19/99
Date

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

Page 3 of 9

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
also see instructions

REGISTRATION NUMBER: 3 0 6 1 4 G 1 Report for: 19 98

Your EPA ID # T X D 08 3 5 7 0 0 5

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507

(Area Code) Telephone: (281) 474-8705

SUMMARY STATUS

☒ ORIGINAL SUMMARY ☐ REVISED SUMMARY ☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

TEXAS WASTE CODE EPA HAZARDOUS WASTE NO. EPA HAZARDOUS WASTE NO. EPA HAZARDOUS WASTE NO. EPA HAZARDOUS WASTE NO. WASTE DESCRIPTION TOTAL QUANTITY GENERATED UNITS

0 1 0 6 3 1 0 1 Filter Cartridges, H2O2 Contaminated 1980 1 0

QUANTITY HANDLED

UNITS

SYSTEM TYPE CODE

FEE

FACILITY NUMBER

RECEIVER'S EPA ID #

COMMENTS

1 0 T M 1 3 2 H 1 3 0 7

M

M

M

TEXAS WASTE CODE

EPA HAZARDOUS WASTE NO.

EPA HAZARDOUS WASTE NO.

EPA HAZARDOUS WASTE NO.

EPA HAZARDOUS WASTE NO.

WASTE DESCRIPTION

TOTAL QUANTITY GENERATED UNITS

0 1 0 7 3 1 0 1 Filter Cartridges, Organics Contaminated 1980 2 9

QUANTITY HANDLED

UNITS

SYSTEM TYPE CODE

FEE

FACILITY NUMBER

RECEIVER'S EPA ID #

COMMENTS

2 9 T M 1 3 2 H 1 3 0 7

M

M

M

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THOMAS R. SOLOMON

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Thomas R. Solomon
Signature of Preparer

1/19/99
Date

TERRENCE J. ZERR

Authorized Agent (PRINT NAME)

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

Page 4 of 9

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
22 { also see instructions }

Your
EPA ID # T X D 08 3 5 7 0 0 5
10

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

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SUMMARY STATUS

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TEXAS WASTE
CODE

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

WASTE DESCRIPTION

TOTAL QUANTITY GENERATED

UNI

0 2 0 1 3 1 0 1

31

35

39

43

Spent Attapulgus Clay: 1992

47 5 5 . 8

56

QUANTITY HANDLED

UNITS

SYSTEM
TYPE CODE

FEE

FACILITY
NUMBER

RECEIVER'S EPA ID #

COMMENTS

57 5 6 . 8

66 T

67 M 1 3 2

70

71 H 1 3 0 7

76

88

57

66

67 M

70

71

76

88

57

66

67 M

70

71

76

88

57

66

67 M

70

71

76

88

TEXAS WASTE
CODE

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

WASTE DESCRIPTION

TOTAL QUANTITY GENERATED

UNI

0 2 0 2 3 1 0 1

31

35

39

43

Spent Filter Aid

47 3 2 . 4

56

QUANTITY HANDLED

UNITS

SYSTEM
TYPE CODE

FEE

FACILITY
NUMBER

RECEIVER'S EPA ID #

COMMENTS

57 2 4 . 4

66 T

67 M 1 3 2

70

71 H 1 3 0 7

76

88

57 8 . 5

66

67 M 1 4 1

70

71 3 0 6 1 4

76

88

57

66

67 M

70

71

76

88

57

66

67 M

70

71

76

88

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1/19/99
Date

Page 5 of 9

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507

(Area Code) Telephone:
(281) 474-8705

NO REPORT REQUIRED

{ See 30 TAC 335.9(a)(3); }
also see instructions

SUMMARY STATUS

☒ ORIGINAL SUMMARY

☐ REVISED SUMMARY

☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

TEXAS WASTE
CODE

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

WASTE DESCRIPTION

TOTAL QUANTITY GENERATED

UNIT

0 2 0 4 2 0 4 H

D 0 0 1

Spent Solvent Mixture

2 . 0

T

QUANTITY HANDLED

UNITS

SYSTEM
TYPE CODE

FEE

FACILITY
NUMBER

RECEIVER'S EPA ID #

COMMENTS

2 . 2

T

M 0 6 1

5 0 2 1 2

M

M

M

TEXAS WASTE
CODE

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

EPA HAZARDOUS
WASTE NO.

WASTE DESCRIPTION

TOTAL QUANTITY GENERATED

UNIT

0 2 0 6 3 1 5 H

D 0 0 3

Waste Lithium Mixture

1 . 4

T

QUANTITY HANDLED

UNITS

SYSTEM
TYPE CODE

FEE

FACILITY
NUMBER

RECEIVER'S EPA ID #

COMMENTS

1 . 4

T

M 0 4 3

Z 0 0 0 5

A R D 0 6 9 7 4 8 1 9 2

M

M

M

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Thomas R. Solomon
Signature of Preparer

1/19/99
Date

TERRENCE J. ZERR

Authorized Agent (PRINT NAME)

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
{ also see instructions }

Your SOLID WASTE
REGISTRATION NUMBER: 3 0 6 14 1 G 1 Report for: 19 98
Your
EPA ID # T X D 08 3 5 7 0 0 5
10

TERRENCE J. ZERR
FMC CORPORATION
12000 BAY AREA BOULEVARD PASADENA
TEXAS 77507 (Area Code) Telephone: (281) 474-8705

SUMMARY STATUS
☒ ORIGINAL SUMMARY ☐ REVISED SUMMARY ☐ SUPPLEMENTAL SUMMARY
YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-15L.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNITS |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------|--------------------------|-------|
| 0-0-0-2-2-1-1-H | D 0 0 1 | D 0 3 5 | F 0 0 3 | F 0 0 5 | Paint Thinner & Paint 1991 | | |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNITS |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|----------------------------------|--------------------------|-------|
| 0-0-0-3-2-0-6-1 | | | | | Used Petroleum Oil (Lubricating) | | |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

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TERRENCE J. ZERR

Authorized Agent (PRINT NAME)

Thomas R. Solomon
Signature of Preparer

1/19/99
Date

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

Page 7 of 9

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
22 { also see instructions }

Your EPA ID # T X D 08 3 5 7 0 0 5

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507

(Area Code) Telephone: (281) 474-8705

SUMMARY STATUS

☒ ORIGINAL SUMMARY

☐ REVISED SUMMARY

☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|--------------------------|------|
| 0-1-0-2-4-0-4-1 | | | | | Spent Carbon 1983 | | |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------|
| 0-1-0-5-4-0-3-1 | | | | | Polystyrene Resin, 1984 | | |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |
| | | M | | | | | |

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Thomas R. Solomon
Signature of Preparer

1/19/99
Date

Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date

Page 8 of 9

☐ NO REPORT REQUIRED
{ See 30 TAC 335.9(a)(3); }
{ also see instructions }

22

YOUR SOLID WASTE
REGISTRATION NUMBER: 3 0 6 1 4 ' G 1 Report for: 19 98
1 6 8

Your
EPA ID # T X D 0 8 3 5 7 0 0 5
10

TERRENCE J. ZERR

FMC CORPORATION

12000 BAY AREA BOULEVARD PASADENA

TEXAS 77507 (Area Code) Telephone: (281) 474-8705

SUMMARY STATUS

☒ ORIGINAL SUMMARY ☐ REVISED SUMMARY ☐ SUPPLEMENTAL SUMMARY

YOUR WASTE GENERATION FEE IS CALCULATED FROM THIS REPORT. BE SURE THE INFORMATION IS CORRECT TO REPORT WASTEWATER, SEE INSTRUCTION BOOKLET RG-151.

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|-------------------------|--------------------------|------|
| 0-2-0-5-2-1-9-1 | | | | | Spent Mineral Oil, 1994 | | |
| 23 | 31 | 35 | 39 | 43 | | 47 | 56 |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | 11 |
| | | M | | | | | 11 |
| | | M | | | | | 11 |
| | | M | | | | | 11 |

| TEXAS WASTE CODE | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | EPA HAZARDOUS WASTE NO. | WASTE DESCRIPTION | TOTAL QUANTITY GENERATED | UNIT |
|------------------|-------------------------|-------------------------|-------------------------|-------------------------|---------------------|--------------------------|------|
| | | | | | | | |
| 23 | 31 | 35 | 39 | 43 | | 47 | 56 |
| QUANTITY HANDLED | UNITS | SYSTEM TYPE CODE | FEE | FACILITY NUMBER | RECEIVER'S EPA ID # | COMMENTS | |
| | | M | | | | | 11 |
| | | M | | | | | 11 |
| | | M | | | | | 11 |
| | | M | | | | | 11 |

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THOMAS R. SOLOMON
Preparer (PRINT NAME)
TERRENCE J. ZERR
Authorized Agent (PRINT NAME)

Thomas R. Solomon
Signature of Preparer
Terrence J. Zerr
Signature of Authorized Agent

1/19/99
Date
1/19/99
Date

RCRA RECORD CENTER
Infiling Cover Sheet

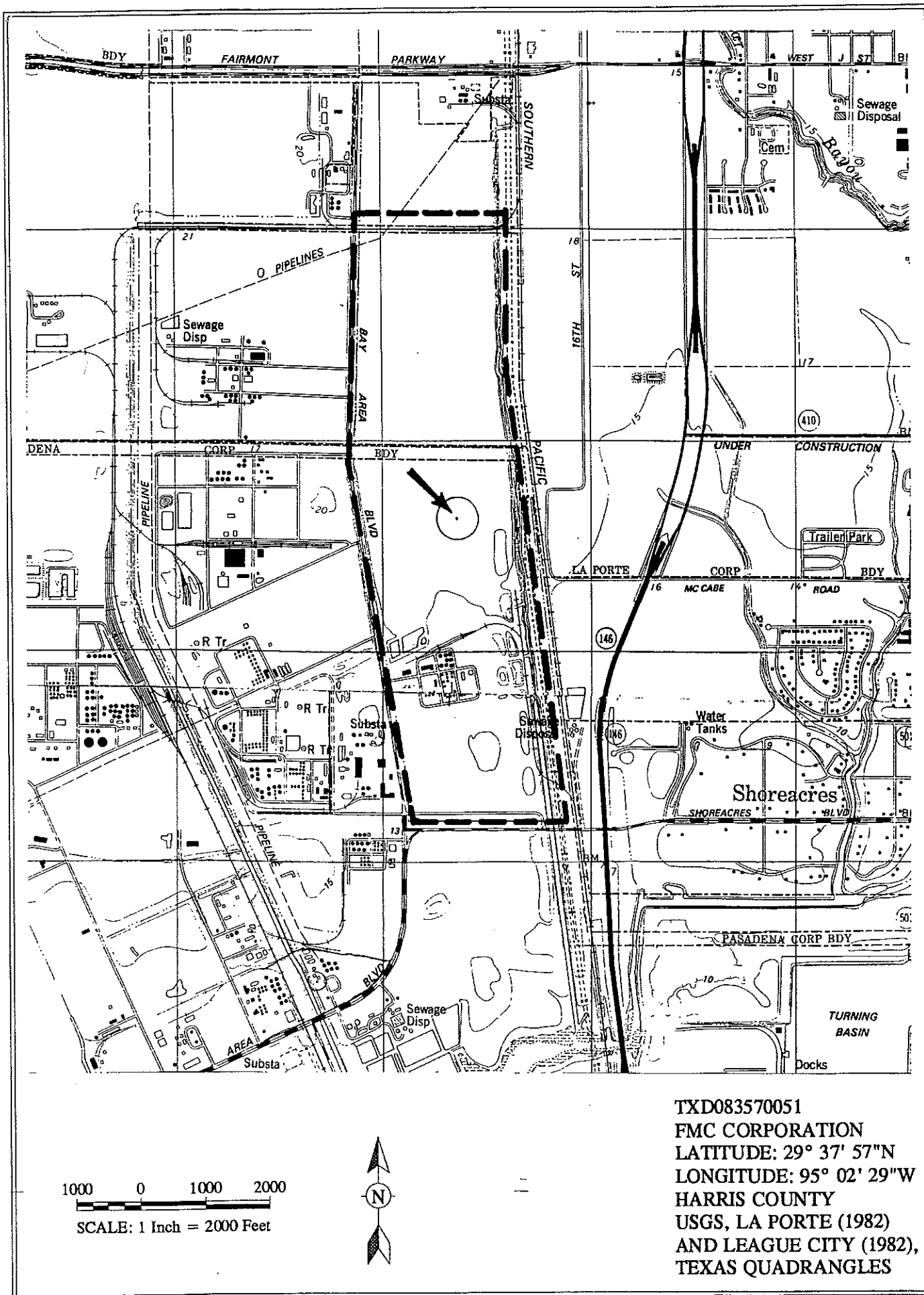
NAME B. Vidar

MAIL CODE 6H-PA

PHONE 8310

DATE 12/1/94

| EPA I.D.# | FACILITY NAME | TYPE FILE |
|--------------|---------------|-----------|
| TXD083570051 | FMC Corp | Permit |



TXD083570051
 FMC CORPORATION
 LATITUDE: 29° 37' 57"N
 LONGITUDE: 95° 02' 29"W
 HARRIS COUNTY
 USGS, LA PORTE (1982)
 AND LEAGUE CITY (1982),
 TEXAS QUADRANGLES

Please refer to the instructions for filling this form before completing. The information requested here is required by law (Section 3010 of the Resource Conservation and Recovery Act).



EPA

Notification of Regulated Waste Activity

United States Environmental Protection Agency

Date Received
(For Official Use Only)

I. Installation's EPA ID Number (Mark X in the appropriate box)



A. First Notification



B. Subsequent Notification

(complete later)

Installation's EPA ID Number
T X D 0 8 3 5 7 0 0 5 1

II. Name of Installation (include company and site name)

F M C C O R P O R A T I O N

III. Location of Installation (Physical address, P.O. Box or Route Number)

Street

1 2 0 0 0 B A Y A R E A B O U L E V A R D

Street (continued)

City or Town

State ZIP Code

P A S A D E N A

T X 7 7 5 0 7 -

County Code

County Name

H A R R I S

IV. Installation Mailing Address (See instructions)

Street, P.O. Box

City or Town

State ZIP Code

V. Installation Contact Person (Do not contact person if not known)

Name (last)

(first)

H O P K I N S

Q U E N T I N

Job Title

Phone Number (area code and number)

R E S I D E N T M G R

7 1 3 - 4 7 4 - 8 7 0 5

VI. Installation Contact Address (See instructions)

A. Contact Address

(Company - Mailing)

B. Street, P.O. Box



City or Town

State ZIP Code

VII. Ownership (See instructions)

A. Name of Installation's Legal Owner

F M C C O R P O R A T I O N

Street, P.O. Box, or Route Number

2 0 0 E A S T R A N D O L P H D R I V E

City or Town

State ZIP Code

C H I C A G O

I L 6 0 6 0 1 -

Phone Number (area code and number)

Ball and type

Color and type

Indicates if owner

(Date changed)

3 1 2 - 8 6 1 - 6 0 0 0

Month Day Year

045 KORTS
11/23/92

| | | | | | | | | | |
|---------------------------|--|--|--|--|--|--|--|--|--|
| ID# For Official Use Only | | | | | | | | | |
| | | | | | | | | | |

VIII. Type of Regulated Waste Activity (Mark "X" in the appropriate boxes. Refer to instructions.)

| A. Hazardous Waste Activity | | B. Used Oil Fuel Activities | |
|--|--|---|---|
| <input checked="" type="checkbox"/> 1. Generator (See Instructions) | <input type="checkbox"/> 3. Greater, Store, or Dispose (at installation) | <input checked="" type="checkbox"/> 1. Off-Specification Used Oil Fuel | <input type="checkbox"/> 1. Generator Marketing to Burner |
| <input type="checkbox"/> a. Greater than 1000 kg/mo (2,200 lbs.) | <input type="checkbox"/> Note: Approval is required for this activity; see instructions. | <input type="checkbox"/> b. Other Marketers | <input type="checkbox"/> b. Other Marketers |
| <input type="checkbox"/> b. 100 to 1000 kg/mo (220 - 2,200 lbs.) | <input type="checkbox"/> 4. Hazardous Waste Fuel | <input type="checkbox"/> c. Burner. Indicate device(s) | <input type="checkbox"/> c. Burner. Indicate device(s) |
| <input type="checkbox"/> c. Less than 100 kg/mo (220 lbs.) | <input type="checkbox"/> 4. Generator Marketing to Burner | <input type="checkbox"/> d. Type of Combustion Device | <input type="checkbox"/> d. Type of Combustion Device |
| <input type="checkbox"/> 2. Transporter (Indicate Mode in boxes 1-5 below) | <input type="checkbox"/> b. Other Marketers | <input type="checkbox"/> 1. Utility Boiler | <input type="checkbox"/> 1. Utility Boiler |
| <input type="checkbox"/> a. For own waste only | <input type="checkbox"/> c. Burner. Indicate device(s) | <input type="checkbox"/> 2. Industrial Boiler | <input type="checkbox"/> 2. Industrial Boiler |
| <input type="checkbox"/> b. For commercial purposes | <input type="checkbox"/> d. Type of Combustion Device | <input type="checkbox"/> 3. Industrial Furnace | <input type="checkbox"/> 3. Industrial Furnace |
| <input type="checkbox"/> Mode of Transportation | <input type="checkbox"/> 1. Utility Boiler | <input type="checkbox"/> 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification | <input type="checkbox"/> 2. Specification Used Oil Fuel Marketer (or On-site Burner) Who First Claims the Oil Meets the Specification |
| <input type="checkbox"/> 1. Air | <input type="checkbox"/> 2. Industrial Boiler | | |
| <input type="checkbox"/> 2. Rail | <input type="checkbox"/> 3. Industrial Furnace | | |
| <input type="checkbox"/> 3. Highway | <input type="checkbox"/> 5. Underground Injection Control | | |
| <input type="checkbox"/> 4. Water | | | |
| <input type="checkbox"/> 5. Other - specify _____ | | | |

IX. Description of Regulated Wastes (Use additional sheets if necessary)

| A. Characteristics of Nonlisted Hazardous Wastes (Mark "X" in the boxes corresponding to the characteristics of nonlisted hazardous wastes your installation handles. (See 40 CFR Parts 261.20 - 261.24)) | | | | | | | | | |
|---|-------------------------------------|--------------------------|-----------------------------------|--|----|----|----|----|----|
| 1. Ignitable (D001) | 2. Corrosive (D002) | 3. Reactive (D003) | 4. Toxicity Characteristic (D000) | (List specific EPA hazardous waste number(s) for the Toxicity Characteristic contaminant(s)) | | | | | |
| <input checked="" type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | | | | | | |
| B. Listed Hazardous Wastes (See 40 CFR 261.31-33. See instructions if you need to list more than 12 waste codes) | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |
| 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 |
| | | | | | | | | | |
| C. Other Wastes (State or other wastes requiring an ID# number. See instructions) | | | | | | | | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

X. Certification

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment.

| | | |
|--|--|------------------------|
| Signature <i>Quentin A. Hopkins</i> | Name and Official Title (type or print) O. G. Hopkins, Resident Manager | Date Signed 9/18/92 |
|--|--|------------------------|

XI. Comments

| |
|--|
| |
| |
| |
| |

Note: Mail completed form to the appropriate EPA Regional or State Office. (See Section III of the booklet for addresses.)

9/01/92

TOTAL CLOSURE LOG

Page 46

| COMPANY | TWC SWR NO. | E P A | TWC FAC NO. | C O D -E- | ASSIGN TO | D I S T | DATE PLAN RECEIVED | DATE PROCEED | DATE OF NOD | DATE PLAN APPROVED | DATE CERT RECEIVED | DATE CERT ACCEPTED | R G C W R C A | CLOSURE TYPE | P E C N ? F | COMMENTS: |
|------------------------------------|-------------------|--------------|-------------------|--------------------|--------------|------------------|--------------------------|-----------------|-------------------|--------------------------|--------------------------|--------------------------|---------------------------------|-----------------|-------------------------|--|
| FIRST NAT'L BANK OF AMARILLO | 39994 | | 000 | RH | | 01 | 10/01/90 | 4/10/91 | | | | | - | | - | FORMER THOMAS ENTERPRISES SITE AT 212 N. GRAND ST. SITE ASSESSMENT.TPH, CHROME CONTAMINATION. REMEDATION PLANS RESUBMITTED FEBRUARY 92. DISTRICT HANDLING CASE |
| FIRST QUALITY CYLINDERS, | 38564 | TXD982557217 | 000 | S01 | ENFORCE | 08 | 10/29/90 | | | | | | T- | | - | CONTAINER STORAGE AREA WITH F006 WASTE |
| FLAME TECHNOLOGIES | 50028 | TXD987996253 | 03 | N91 | DIST 14 | 14 | 10/09/91 | | | | | | - | RCRA-90 | - | CONTAINER STORAGE AREA; DIST-14 HANDLING. |
| FLOWER MOUND, CITY OF | 11321 | | 000 | NX | | 04 | 3/13/91 | 5/15/91 | | 3/22/91 | 4/12/91 | | F- | SPILL | - | SITE ASSESSMENT AND CLEAN UP PLAN FOR HYDROCARBON SPILL AREAS, WORK IN PROGRESS, OK'D BY DISTRICT, HANDLED BY D-4 |
| FLUID POWER SERVICES | | | 000 | N | STINE | 05 | 2/17/89 | 2/28/91 | | | 12/18/90 | | F-F | NONRCRA? | F-F | CLEANUP AT 1113 E LOOP 281 IN TYLER |
| FLUOROCARBON INC. | 31402 | TXD089799522 | 000 | N | STINE | 07 | 3/03/86 | 7/23/91 | | 7/23/86 | 1/15/87 | | F-T | NONRCRA | F-F | GW REMEDIAL ACTION-SITE CLEANUP, NE PORTION CERTIFIED 8/22/86 |
| FMC CORP- PEROXYGEN | 30614 | TXD083570051 | 02 | S01 | STINE | 07 | 11/08/86 | | | 3/04/87 | 7/06/87 | 8/22/91 | T-F | PARTIAL | F-F | STORAGE CONTAINERS |
| FMC CORP- PEROXYGEN | 30614 | TXD083570051 | 02 | S02 | HELLINGH | 07 | 9/15/89 | | | 8/27/90 | 3/04/91 | 8/22/91 | T-F | PARTIAL | F-F | INCINERATOR FEED TANK (MS-725). NOTIFY D-7 OF CLOSURE ON 12/28/90. |
| FMC CORP- PEROXYGEN | 30614 | TXD083570051 | 03 | S02 | STINE | 07 | 11/08/86 | | | 3/04/87 | 7/06/87 | | T-F | PARTIAL | F-F | TANK MS-511 |
| FMC CORP- PEROXYGEN | 30614 | TXD083570051 | 07 | S02 | STINE | 07 | 11/08/86 | | | 3/04/87 | 7/06/87 | | T-F | PARTIAL | F-F | TANK T-6428 |
| FMC CORP- PEROXYGEN | 30614 | TXD083570051 | | N92 | | 07 | 4/28/92 | 5/11/92 | | | 8/07/92 | | T- | RCRA-90 | - | SPENT METHANOL TANK T-4498 |
| FMC CORP.- PEROXYGEN | 30614 | TXD083570051 | 000 | T03 | | 07 | 1/06/89 | | | 8/28/89 | 8/27/90 | 9/12/90 | - | | - | INCINERATOR TWC PERMIT UNIT 2 |
| FORCE ROAD OIL | 39014 | TXD000633453 | 000 | D80 | | 07 | 5/16/88 | 3/20/89 | | 3/20/89 | | | T-F | UNKNOWN | F-T | 2 HW SURFACE TANKS. REVISION RECEIVED 11/30/89. |
| FORCE ROAD OIL | 39014 | TXD000633453 | 000 | D83 | | 07 | 5/16/88 | | | 3/20/89 | | | T-F | UNKNOWN | F-T | 5 SURFACE IMPOUNDMENTS. |
| FORCE ROAD OIL | 39014 | TXD000633453 | 000 | NS2 | | 07 | 5/16/88 | | | 3/20/89 | | | F-F | NONRCRA | F-T | 2 NONHAZ. SUBSURFACE TANKS. REVISION RECEIVED 11/30/89. |

15. FMC Corporation
Peroxygen Chemicals Division
12000 Bay Area Blvd.
Pasadena, Texas 77507

TXD083570051
30614

Microfilm

| | |
|--|-----------------|
| 01 Incinerator | Inactive Status |
| Processing of Tar | |
| 02 Container Storage Area | Active Status |
| Less Than 90 Day Storage combustible material | |
| 03 Surface Tank | Inactive Status |
| Glycerin Still Bottom Closed 09/84 | |
| 04 Surface Tanks | Inactive Status |
| Closed 09/84 | |
| 05 Surface Tank | Inactive Status |
| Closed 09/84 Storage of Tar | |
| 06 Surface Tank | Active Status |
| 38000 gal cap Methanol Storage | |
| 07 Surface Tank | Inactive Status |
| Storage of caustic chem 5000 gal cap | |
| 08 Surface Tank | Active Status |
| Storage of Methanol 10000 gal cap <90 days | |
| 09 Surface Impoundment | Inactive Status |
| Storage of alcohol Closed 07/84 | |
| 10 Boiler or Industrial Furnace | Inactive Status |
| Energy Producing | |
| 11 Surface Tank | Inactive Status |
| Storage of solvents class I | |
| 12 Surface Tank | Inactive Status |
| Storage of Class I Solvents | |
| 13 Surface Tank | Active Status |
| Storage of Class I Solvents | |
| 14 Surface Tank | Inactive Status |
| Processing of Class I Solvents | |
| 15 Surface Tank | Active Status |
| Elementary Neutralization Unit T-4889-A | |
| 16 Surface Tank | Active Status |
| 105000 gal cap Storage of Class I Biosan Waste | |
| 17 Surface Tank | Inactive Status |
| 1100 gal cap Process Sewer Lift Station | |
| 18 Sump | Inactive Status |
| Contaminated Sewer Lift Station 23000 gal cap | |
| 19 Sump | Active Status |
| Hydrogen Peroxide Sewer Pit 75000 gal cap | |
| 20 Sump | Active Status |
| Oily Water Sewer Pits 142000 gal cap | |
| 21 Surface Tank | Active Status |
| Elementary Neutralization Unit T-4889-B | |
| 22 Surface Tank | Active Status |
| Storage for Less than 90 Days | |

PROGRAM ID:
PCRPDMP2

TX DATA
* * * R C R I S V.3.1.0 * * *
TX STATE IMPLEMENTER
PC.2 EVENTS BY PERMIT UNIT GROUP

PAGE: 466
DATE:09/08/92

Handler ID Handler Name & Address

TXD083570051 FMC CORPORATION
County:HARRIS 12000 BAY AREA BLVD
 PASADENA, TX 77507

===== U N I V E R S E S =====
Trans: LQG: X SQG: Land: Incin: X Stor/Trt: X

Permit Processing Number: APP01

| Event Code | Event Name | Scheduled Date | Actual Date | Status | Agcy | Pers | Process Code | Unit ID | # of Units | Capacity | UOM |
|------------|------------------------------|----------------|-------------|--------|------|------|--------------|---------|------------|---------------|-----|
| OP01001 | PART B CALL-IN | | 03/27/86 | S | | | S01 | 01 | | 52,360.000 | G |
| OP10001 | NOTICE OF DEFICIENCY | | 01/23/87 | S | | | S01 | 01 | | 52,360.000 | G |
| OP10002 | NOTICE OF DEFICIENCY | | 05/27/87 | S | | | S01 | 01 | | 52,360.000 | G |
| OP11001 | REVISIONS RECEIVED | | 03/05/87 | S | | | S01 | 01 | | 52,360.000 | G |
| OP11002 | REVISIONS RECEIVED | | 08/26/87 | S | | APC | S01 | 01 | | 52,360.000 | G |
| OP43901 | FACILITY MANAGEMENT PLAN SC | | 01/06/87 | NS | | | S01 | 01 | | 52,360.000 | G |
| OP44001 | FACILITY MANAGEMENT PLAN RE | | 12/31/87 | S | | RHA | S01 | 01 | | 52,360.000 | G |
| OP44601 | PREV NON-REG RCRA SOLID WAS | | 01/13/87 | YE | | CEM | S01 | 01 | | 52,360.000 | G |
| OP48301 | AIR AGENCY REVIEW OF PERMIT | | 03/18/87 | S | | | S01 | 01 | | 52,360.000 | G |
| OP48401 | DRAFT PERMIT DISTRIBUTION | | 04/11/89 | S | | APC | S01 | 01 | | 52,360.000 | G |
| OP48501 | FINAL DRAFT TO CHIEF CLERK | | 06/07/89 | S | | APC | S01 | 01 | | 52,360.000 | G |
| OP48901 | INITIAL DRAFT PERMIT FROM S | 12/30/88 | | S | | | S01 | 01 | | 52,360.000 | G |
| OP01001 | PART B CALL-IN | | 03/27/86 | S | | | S02 | 02 | | 38,000.000 | G |
| OP02001 | PART B RECEIVED | 11/08/86 | 11/08/86 | S | | | S02 | 02 | | 38,000.000 | G |
| OP10001 | NOTICE OF DEFICIENCY | | 01/23/87 | S | | | S02 | 02 | | 38,000.000 | G |
| OP10002 | NOTICE OF DEFICIENCY | | 05/27/87 | S | | | S02 | 02 | | 38,000.000 | G |
| OP11001 | REVISIONS RECEIVED | | 03/05/87 | S | | | S02 | 02 | | 38,000.000 | G |
| OP11002 | REVISIONS RECEIVED | | 08/26/87 | S | | APC | S02 | 02 | | 38,000.000 | G |
| OP15001 | DETERMINED TO BE COMPLETE | | 03/05/87 | S | | DLS | S02 | 02 | | 38,000.000 | G |
| OP16002 | PUBLIC NOTICE | | 07/04/89 | DP | | APC | S02 | 02 | | 38,000.000 | G |
| OP20002 | FINAL DETERMINATION | | 08/29/89 | PJ | | APC | S02 | 02 | | 38,000.000 | G |
| OP20003 | FINAL DETERMINATION | | 11/08/89 | PJ | | | S02 | 02 | | 38,000.000 | G |
| OP43901 | FACILITY MANAGEMENT PLAN SC | | 01/06/87 | NS | | | S02 | 02 | | 38,000.000 | G |
| OP44001 | FACILITY MANAGEMENT PLAN RE | | 12/31/87 | S | | RHA | S02 | 02 | | 38,000.000 | G |
| OP44601 | PREV NON-REG RCRA SOLID WAS | | 01/13/87 | YE | | CEM | S02 | 02 | | 38,000.000 | G |
| OP48301 | AIR AGENCY REVIEW OF PERMIT | | 03/18/87 | S | | | S02 | 02 | | 38,000.000 | G |
| OP48401 | DRAFT PERMIT DISTRIBUTION | | 04/11/89 | S | | APC | S02 | 02 | | 38,000.000 | G |
| OP48501 | FINAL DRAFT TO CHIEF CLERK | | 06/07/89 | S | | APC | S02 | 02 | | 38,000.000 | G |
| OP48901 | INITIAL DRAFT PERMIT FROM S | 12/30/88 | | S | | | S02 | 02 | | 38,000.000 | G |
| CL31001 | PLAN RECEIVED - CLOSURE | | 12/03/83 | S | | | S04 | 03 | | 3,000,040.000 | G |
| CL33001 | REVISIONS RECEIVED - CLOSURE | | 03/02/84 | S | | | S04 | 03 | | 3,000,040.000 | G |
| CL36001 | PLAN APPROVED - CLOSURE | | 03/15/84 | MO | | | S04 | 03 | | 3,000,040.000 | G |
| CL37001 | RECEIVE CLOSURE CERTIFICATI | | 06/19/84 | S | | | S04 | 03 | | 3,000,040.000 | G |
| CL40401 | REVIEW OF CLOSURE PLAN COMP | | 02/28/84 | S | | | S04 | 03 | | 3,000,040.000 | G |
| OP01001 | PART B CALL-IN | | 03/27/86 | S | | | S04 | 03 | | 3,000,040.000 | G |
| OP10001 | NOTICE OF DEFICIENCY | | 01/23/87 | S | | | S04 | 03 | | 3,000,040.000 | G |
| OP10002 | NOTICE OF DEFICIENCY | | 05/27/87 | S | | | S04 | 03 | | 3,000,040.000 | G |

PROGRAM ID:
PCRDPMP2

TX DATA
* * * R C R I S V.3.1.0 * * *
TX STATE IMPLEMENTER
PC.2 EVENTS BY PERMIT UNIT GROUP

PAGE: 467
DATE:09/08/92

Handler ID Handler Name & Address

TXD083570051 FMC CORPORATION
County:HARRIS 12000 BAY AREA BLVD
 PASADENA, TX 77507

===== U N I V E R S E S =====

| Trans: | LQG: X | SQG: | Land: | Incin: X | Stor/Trt: X | | |
|---------|-----------------------------|----------|-------------|----------|-------------|----|------------------|
| OP11001 | REVISIONS RECEIVED | | 03/05/87 | S | S04 | 03 | 3,000,040.000 G |
| OP11002 | REVISIONS RECEIVED | | 08/26/87 | S | APC S04 | 03 | 3,000,040.000 G |
| OP43901 | FACILITY MANAGEMENT PLAN SC | | 01/06/87 NS | S | S04 | 03 | 3,000,040.000 G |
| OP44001 | FACILITY MANAGEMENT PLAN RE | | 12/31/87 | S | RHA S04 | 03 | 3,000,040.000 G |
| OP44601 | PREV NON-REG RCRA SOLID WAS | | 01/13/87 YE | S | CEM S04 | 03 | 3,000,040.000 G |
| OP48301 | AIR AGENCY REVIEW OF PERMIT | | 03/18/87 | S | S04 | 03 | 3,000,040.000 G |
| OP48401 | DRAFT PERMIT DISTRIBUTION | | 04/11/89 | S | APC S04 | 03 | 3,000,040.000 G |
| OP48501 | FINAL DRAFT TO CHIEF CLERK | | 06/07/89 | S | APC S04 | 03 | 3,000,040.000 G |
| OP48901 | INITIAL DRAFT PERMIT FROM S | 12/30/88 | | S | S04 | 03 | 3,000,040.000 G |
| OP20003 | FINAL DETERMINATION | | 11/08/89 PJ | E | T03 | 04 | 20,000,000.000 G |
| CL31002 | PLAN RECEIVED - CLOSURE | | 01/06/89 | S | T03 | 05 | 20,000,000.000 K |
| CL36002 | PLAN APPROVED - CLOSURE | | 08/28/89 MO | S | APC T03 | 05 | 20,000,000.000 K |
| CL37002 | RECEIVE CLOSURE CERTIFICATI | | 08/27/90 YE | S | APC T03 | 05 | 20,000,000.000 K |
| CL48401 | CLOSURE VERIFICATION | | 08/27/90 | S | T03 | 05 | 20,000,000.000 K |
| OP01001 | PART B CALL-IN | | 03/27/86 | S | T03 | 05 | 20,000,000.000 K |
| OP02001 | PART B RECEIVED | 11/08/86 | 11/08/86 | S | T03 | 05 | 20,000,000.000 K |
| OP07001 | TRIAL BURN PLAN APPROVED | | 12/23/87 | S | APC T03 | 05 | 20,000,000.000 K |
| OP09001 | TRIAL BURN RESULTS RECEIVED | 06/30/88 | | S | T03 | 05 | 20,000,000.000 K |
| OP10001 | NOTICE OF DEFICIENCY | | 01/23/87 | S | T03 | 05 | 20,000,000.000 K |
| OP10002 | NOTICE OF DEFICIENCY | | 05/27/87 | S | T03 | 05 | 20,000,000.000 K |
| OP11001 | REVISIONS RECEIVED | | 03/05/87 | S | T03 | 05 | 20,000,000.000 K |
| OP11002 | REVISIONS RECEIVED | | 08/26/87 | S | APC T03 | 05 | 20,000,000.000 K |
| OP15001 | DETERMINED TO BE COMPLETE | | 03/05/87 | S | DLS T03 | 05 | 20,000,000.000 K |
| OP16002 | PUBLIC NOTICE | | 07/04/89 DP | S | APC T03 | 05 | 20,000,000.000 K |
| OP40301 | APPLICATION REVIEWED FOR CO | | 01/23/87 IN | S | CEM T03 | 05 | 20,000,000.000 K |
| OP40801 | TRIAL BURN PLAN SUBMITTED | | 11/08/86 | S | T03 | 05 | 20,000,000.000 K |
| OP40901 | TRIAL BURN PLAN REVIEWED | | 04/22/87 | S | APC T03 | 05 | 20,000,000.000 K |
| OP41201 | TRIAL BURN RESULTS REVIEW C | 11/30/88 | | S | T03 | 05 | 20,000,000.000 K |
| OP43901 | FACILITY MANAGEMENT PLAN SC | | 01/06/87 NS | S | T03 | 05 | 20,000,000.000 K |
| OP44001 | FACILITY MANAGEMENT PLAN RE | | 12/31/87 | S | RHA T03 | 05 | 20,000,000.000 K |
| OP44601 | PREV NON-REG RCRA SOLID WAS | | 01/13/87 YE | S | CEM T03 | 05 | 20,000,000.000 K |
| OP48301 | AIR AGENCY REVIEW OF PERMIT | | 03/18/87 | S | T03 | 05 | 20,000,000.000 K |
| OP48401 | DRAFT PERMIT DISTRIBUTION | | 04/11/89 | S | APC T03 | 05 | 20,000,000.000 K |
| OP48501 | FINAL DRAFT TO CHIEF CLERK | | 06/07/89 | S | APC T03 | 05 | 20,000,000.000 K |
| OP48601 | TRIAL BURN CONDUCTED | 03/30/88 | | S | T03 | 05 | 20,000,000.000 K |
| OP48901 | INITIAL DRAFT PERMIT FROM S | 12/30/88 | | S | T03 | 05 | 20,000,000.000 K |

PROGRAM ID:
PCRPDMP2

TX DATA
*** R C R I S V.3.1.0 ***
TX STATE IMPLEMENTER
PC.2 EVENTS BY PERMIT UNIT GROUP

PAGE: 468
DATE:09/08/92

Handler ID TXD083570051
County:HARRIS
FMC CORPORATION
12000 BAY AREA BLVD
PASADENA, TX 77507
===== U N I V E R S E S =====
Trans: LQG: X SQG: Land: Incin: X Stor/Trt: X

Permit Processing Number: APP03

| Event Code | Event Name | Scheduled Date | Actual Date | Status | Agcy | Pers | Process Code | Unit ID | # of Units | Capacity | UOM |
|------------|-----------------------------|----------------|-------------|--------|------|------|--------------|---------|------------|------------|-----|
| CL31001 | PLAN RECEIVED - CLOSURE | | 03/02/84 | | S | | S02 | 07 | | 16,920.000 | G |
| CL36001 | PLAN APPROVED - CLOSURE | | 03/15/84 | MO | S | | S02 | 07 | | 16,920.000 | G |
| CL37001 | RECEIVE CLOSURE CERTIFICATI | | 04/02/84 | | S | | S02 | 07 | | 16,920.000 | G |

Permit Processing Number: APP04

| Event Code | Event Name | Scheduled Date | Actual Date | Status | Agcy | Pers | Process Code | Unit ID | # of Units | Capacity | UOM |
|------------|-----------------------------|----------------|-------------|--------|------|------|----------------|---------|------------|-------------|-----|
| CL37002 | RECEIVE CLOSURE CERTIFICATI | | 03/04/91 | | S | KDH | | | | | |
| CL31001 | PLAN RECEIVED - CLOSURE | | 11/08/86 | | S | | S01 | 08 | | 150,000.000 | G |
| CL34001 | PUBLIC NOTICE - CLOSURE | | 01/09/87 | | S | | S01 | 08 | | 150,000.000 | G |
| CL36001 | PLAN APPROVED - CLOSURE | | 03/04/87 | MO | S | | S01 | 08 | | 150,000.000 | G |
| CL40401 | REVIEW OF CLOSURE PLAN COMP | | 12/18/86 | | S | | S01 | 08 | | 150,000.000 | G |
| CL31001 | PLAN RECEIVED - CLOSURE | | 11/08/86 | | S | | S02 | 09 | | 15,950.000 | G |
| CL34001 | PUBLIC NOTICE - CLOSURE | | 01/09/87 | | S | | S02 | 09 | | 15,950.000 | G |
| CL37001 | RECEIVE CLOSURE CERTIFICATI | | 07/06/87 | YE | S | | S02 | 09 | | 15,950.000 | G |
| CL38001 | CLOSURE VERIFICATION | | 03/04/91 | AC | S | KDH | S02 | 09 | | 15,950.000 | G |

Permit Processing Number: APP05

| Event Code | Event Name | Scheduled Date | Actual Date | Status | Agcy | Pers | Process Code | Unit ID | # of Units | Capacity | UOM |
|------------|-----------------------------|----------------|-------------|--------|------|------|--------------|---------|------------|------------|-----|
| CL31001 | PLAN RECEIVED - CLOSURE | | 09/15/89 | | S | | S02 | 10 | 1 | 38,000.000 | G |
| CL36001 | PLAN APPROVED - CLOSURE | | 08/27/90 | MO | S | KH | S02 | 10 | 1 | 38,000.000 | G |
| CL37001 | RECEIVE CLOSURE CERTIFICATI | | 02/07/92 | | S | APC | S02 | 10 | 1 | 38,000.000 | G |

PROGRAM ID:
PCRDPMP2

TX DATA
* * * R C R I S V.3.1.0 * * *
TX STATE IMPLEMENTER
PC.2 EVENTS BY PERMIT UNIT GROUP

PAGE: 469
DATE:09/08/92

Handler ID Handler Name & Address

TXD083570051 FMC CORPORATION
County:HARRIS 12000 BAY AREA BLVD
 PASADENA, TX 77507
===== U N I V E R S E S =====
Trans: LQG: X SQG: Land: Incin: X Stor/Trt: X

Permit Processing Number: APP06

| Event Code | Event Name | Scheduled Date | Actual Date | Status | Agcy | Pers | Process Code | Unit ID | # of Units | Capacity UOM |
|---------------|-----------------------------|-------------------|----------------|--------|------|------|-----------------|------------|------------|--------------|
| CL31001 | PLAN RECEIVED - CLOSURE | | 03/05/87 | | S | APC | S02 | PER. UNIT1 | 1 | 38,000.000 G |
| CL36001 | PLAN APPROVED - CLOSURE | | 08/29/91 | MO | S | APC | S02 | PER. UNIT1 | 1 | 38,000.000 G |
| CL37001 | RECEIVE CLOSURE CERTIFICATI | | 01/10/92 | | S | APC | S02 | PER. UNIT1 | 1 | 38,000.000 G |
| CL38001 | CLOSURE VERIFICATION | | 01/10/92 | | S | APC | S02 | PER. UNIT1 | 1 | 38,000.000 G |

PROGRAM ID:
HIRPTSDU

TX DATA
* * * R C R I S V.3.1.0 * * *
TX STATE IMPLEMENTER
Potential TSD Universe Data

PAGE: 107
DATE: 08/13/92

Universes calculated 08/05/92, 04.01.08

Handler ID: TXD083570051 Name: FMC CORPORATION
Location City: PASADENA County: HARRIS

===== U N I V E R S E S =====

Trans: LQG: X SQG: Land: Incin: X Stor/Trt: X

Source: E TSD Ind.: X Reg. Status: R Source Date: 91/01/09

| | | | | | |
|---------|-------|--------|------------------|----------------|----------|
| Incin | T03 | | Incinerator | | |
| | T03 B | Verif. | Incinerator | 20,000,000.000 | BTU/Hour |
| Land | S04 G | Verif. | Surface Impound. | 3,000,040.000 | Gallons |
| Str/Trt | S01 | | Container | | |
| | S01 B | Verif. | Container | 150,000.000 | Gallons |
| | S02 B | Verif. | Tank | 62,871.000 | Gallons |

Source: A TSD Ind.: X Reg. Status: R Source Date: 80/11/19

| | | | | | |
|---------|-------|----------|------------------|---------------|-----------|
| Incin | T03 U | Unverif. | Incinerator | 5.750 | Tons/Hour |
| Land | S04 U | Unverif. | Surface Impound. | 3,040,000.000 | Gallons |
| Str/Trt | S01 U | Unverif. | Container | 52,360.000 | Gallons |
| | S02 U | Unverif. | Tank | 57,969.000 | Gallons |

Handler ID: TXD980624225 Name: FOLGER COFFEE COMPANY SHERMAN
Location City: SHERMAN County: GRAYSON

===== U N I V E R S E S =====

Trans: LQG: X SQG: Land: Incin: Stor/Trt:

Source: E TSD Ind.: Reg. Status: Source Date:

| | | | | | |
|---------|-------|----------|-----------|---------|---------|
| Str/Trt | S01 L | Unverif. | Container | 750.000 | Gallons |
|---------|-------|----------|-----------|---------|---------|

Source: A TSD Ind.: Reg. Status: Source Date: 80/11/19

| | | | | | |
|---------|-------|----------|-----------|---------|---------|
| Str/Trt | S01 U | Unverif. | Container | 750.000 | Gallons |
|---------|-------|----------|-----------|---------|---------|